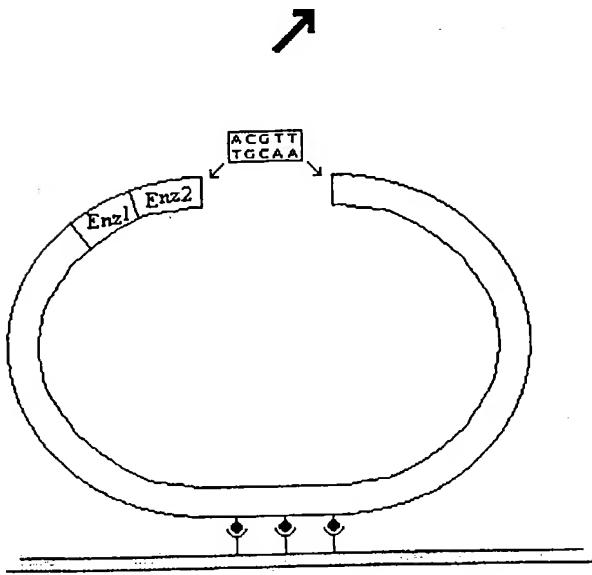
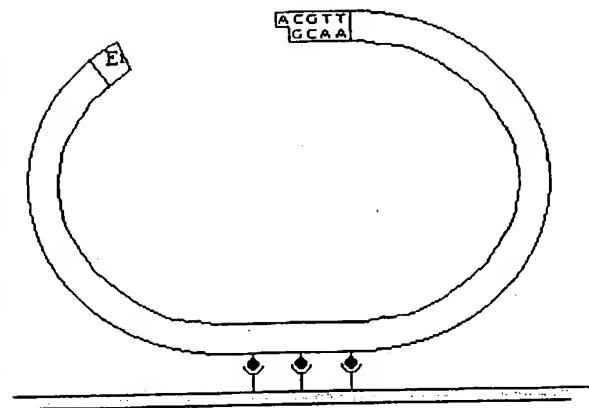


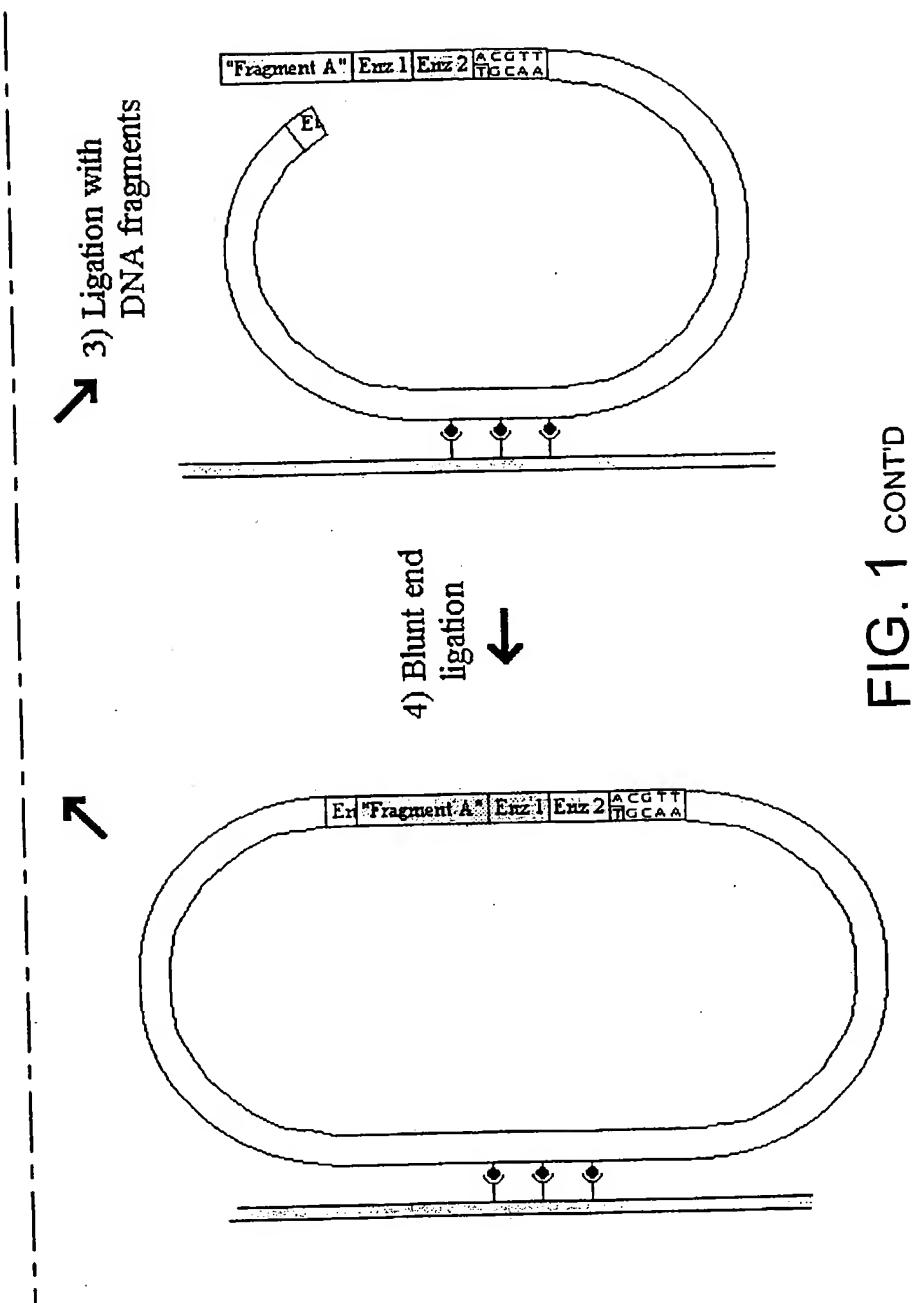
FIG. 1

1) Ligate DNA pieces
with base vector



2) Generate overhangs
with Enz1 and Enz2





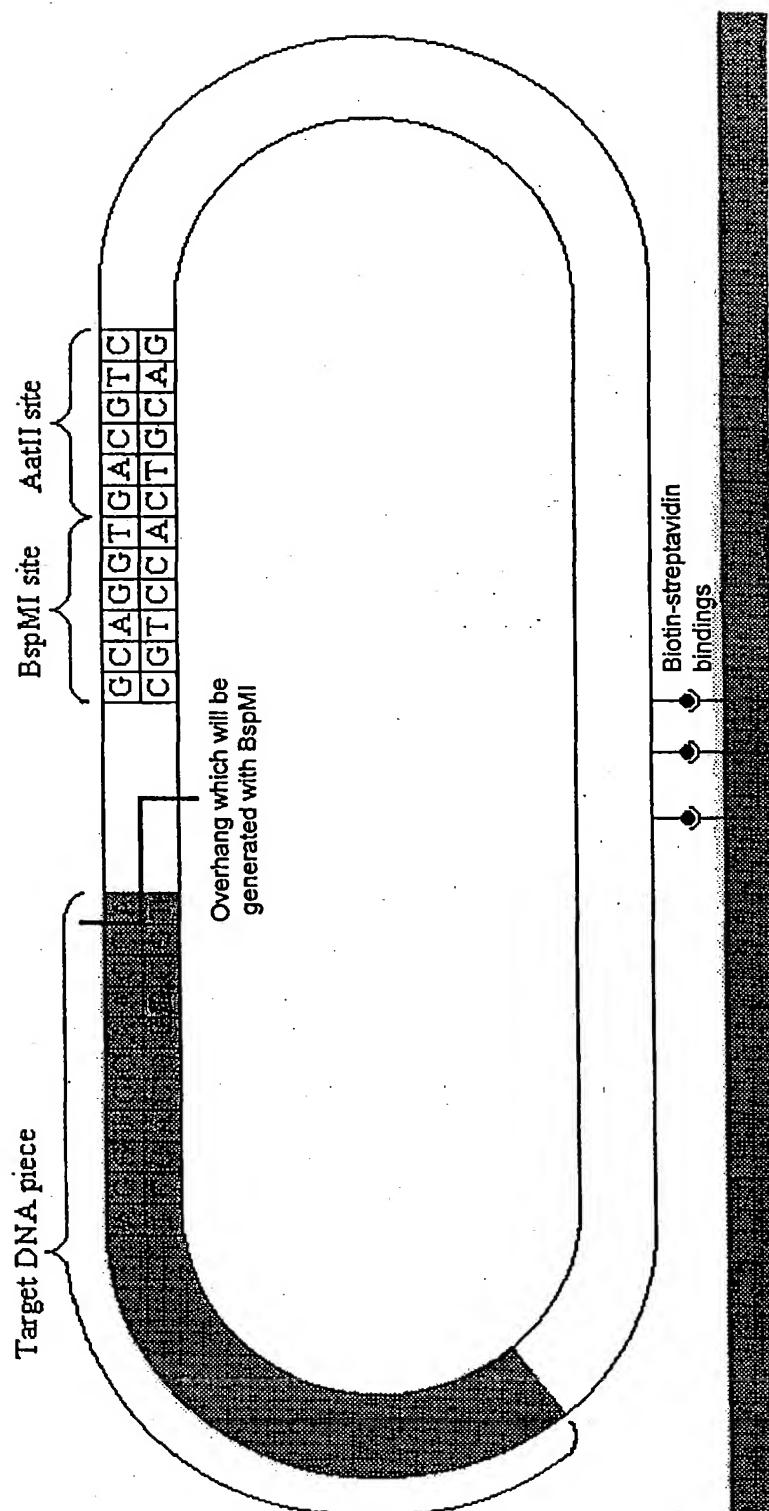


FIG. 2A

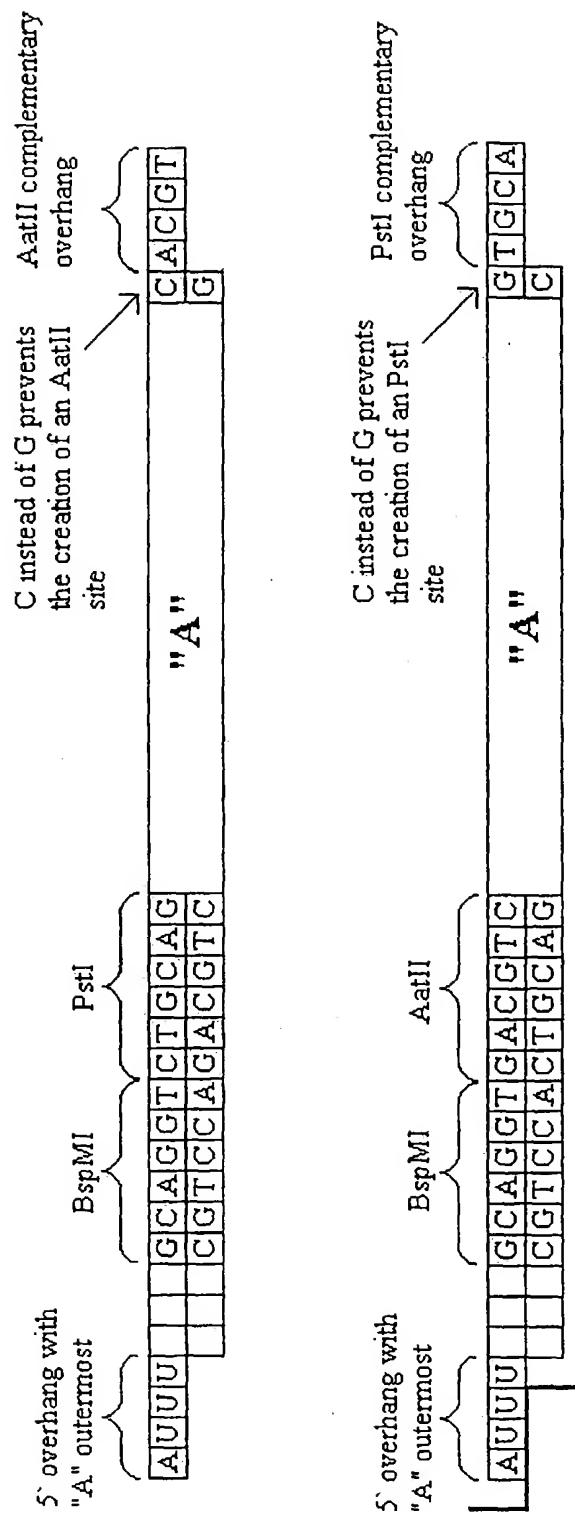
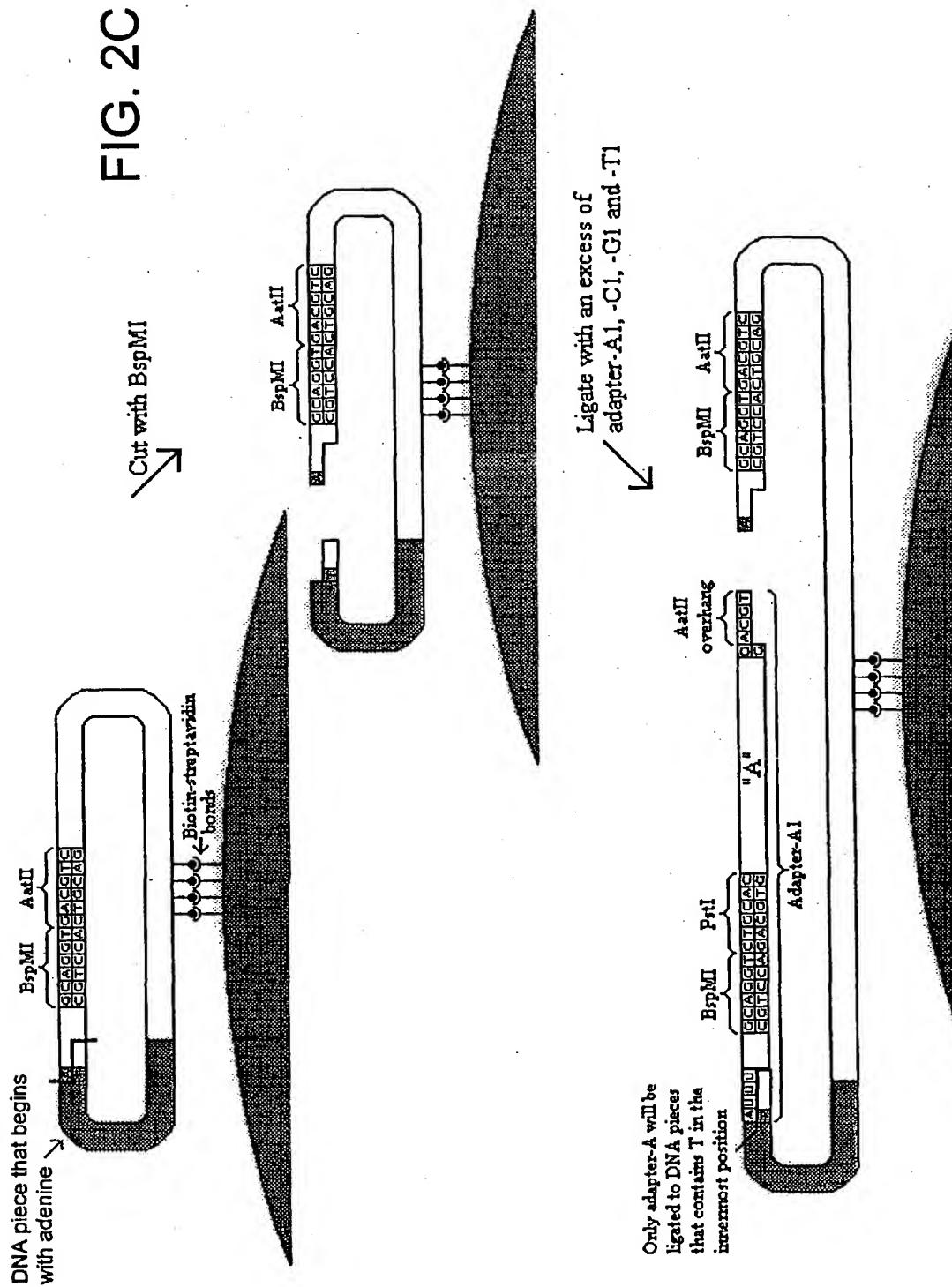


FIG. 2B

FIG. 2C



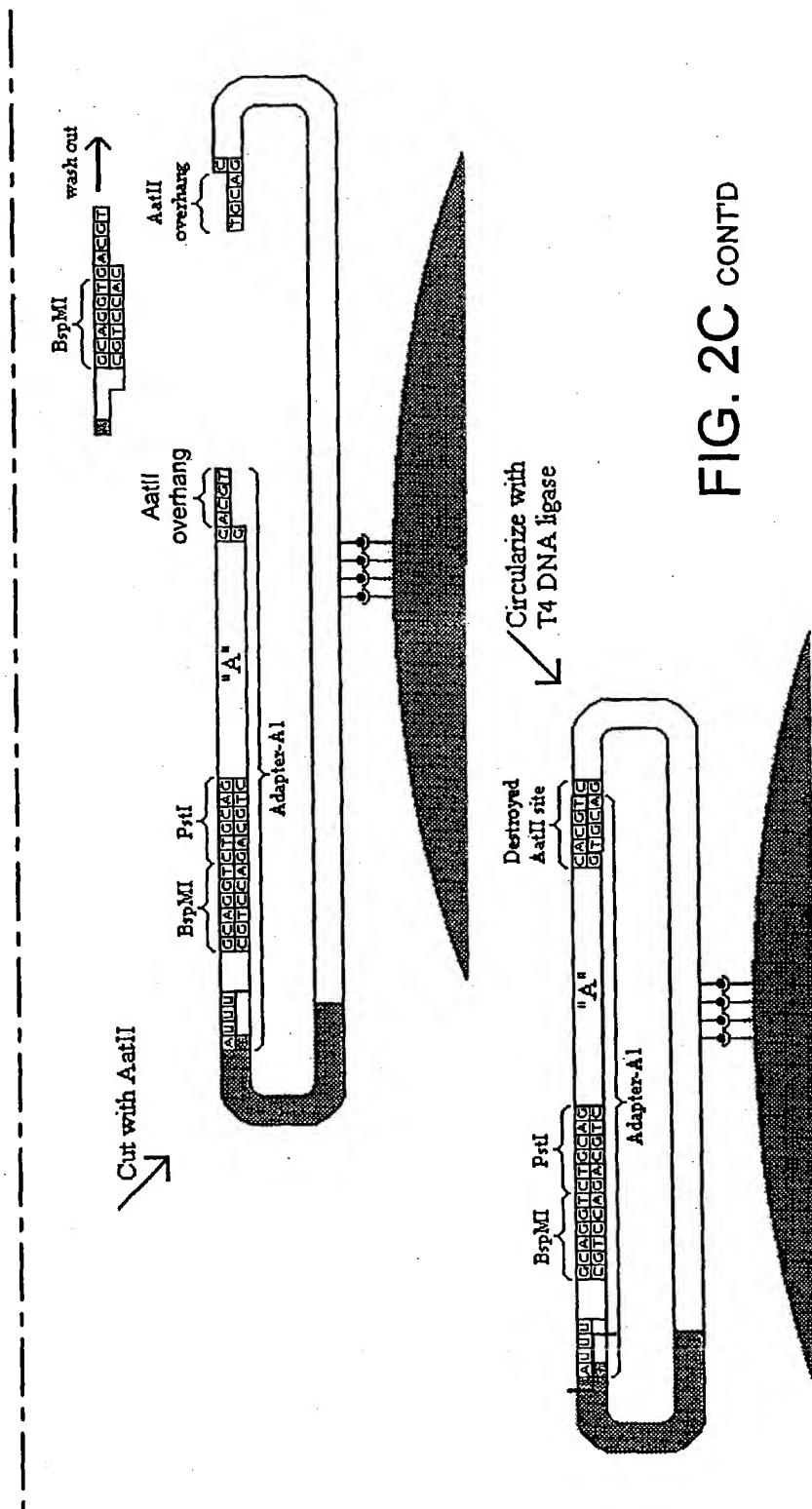


FIG. 2C CONT'D

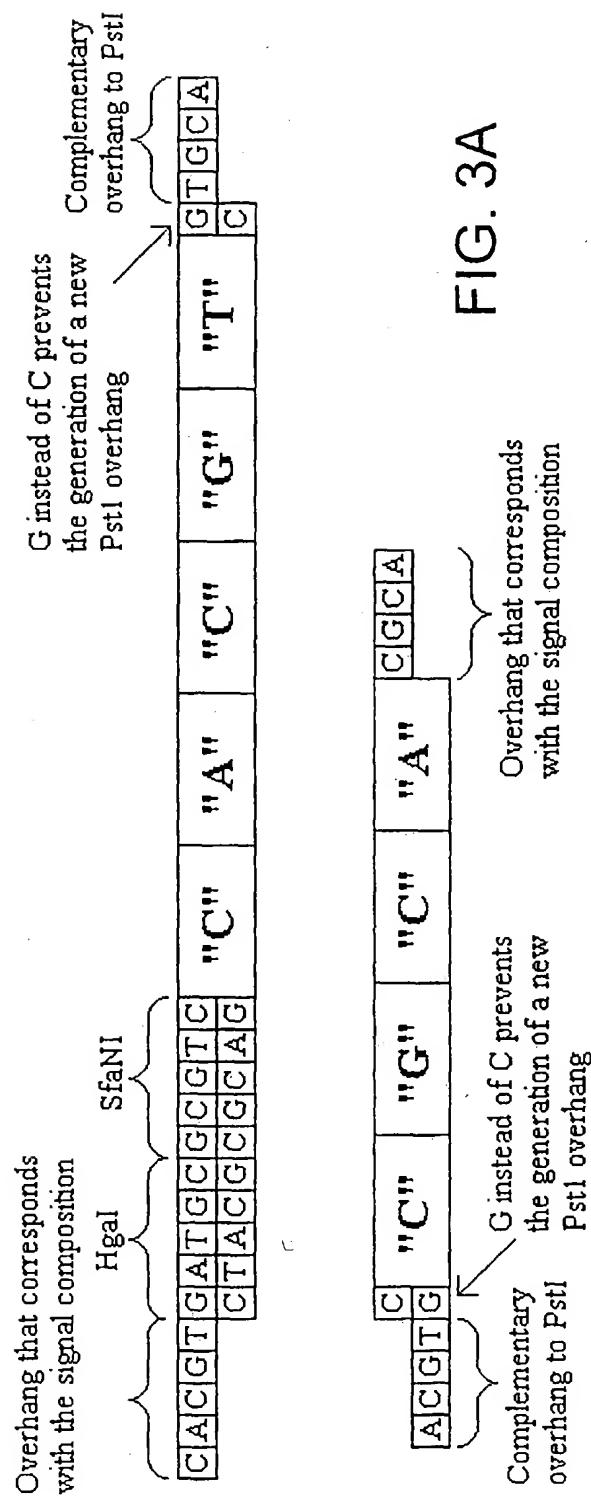
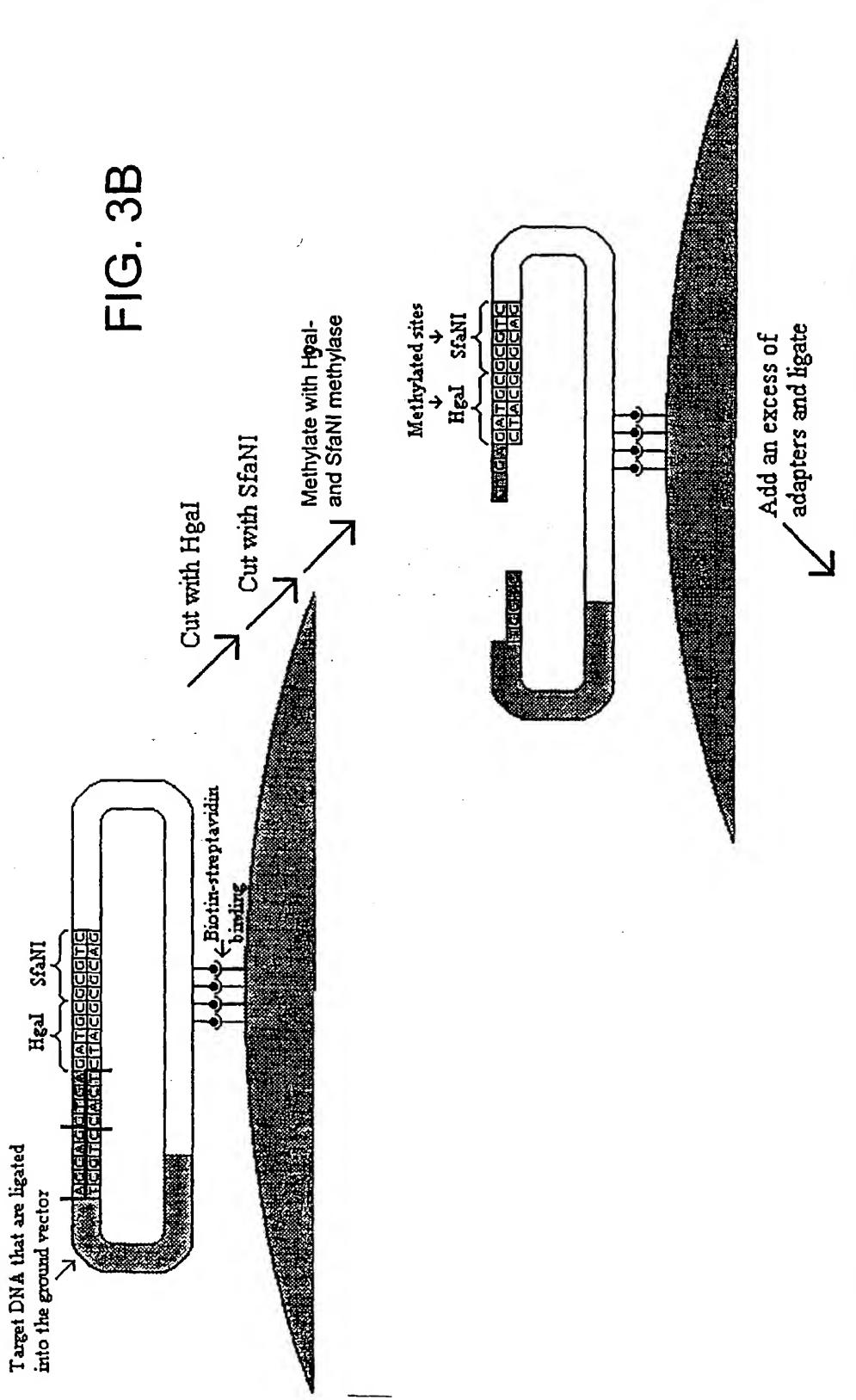


FIG. 3A

FIG. 3B



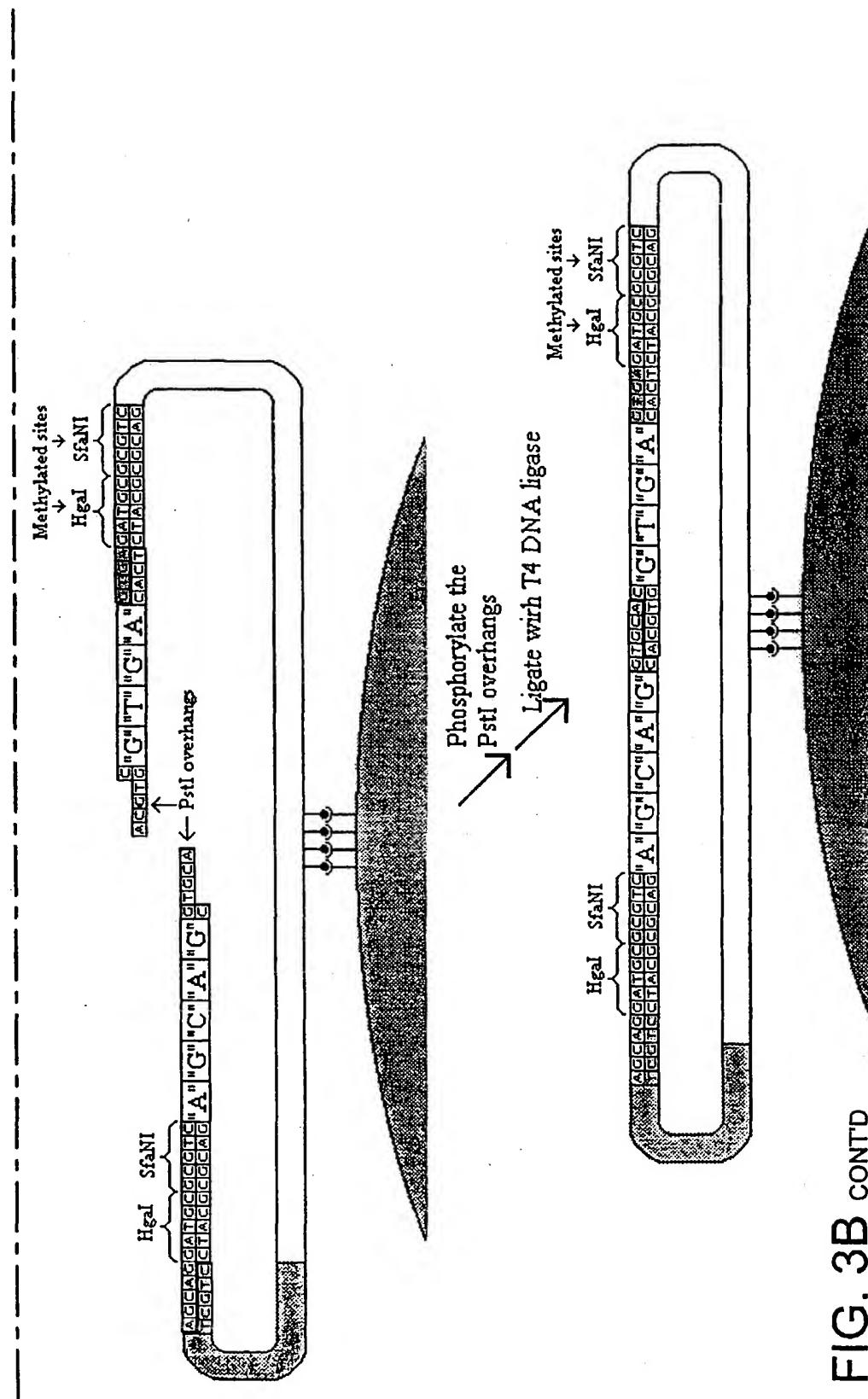


FIG. 3B CONTD

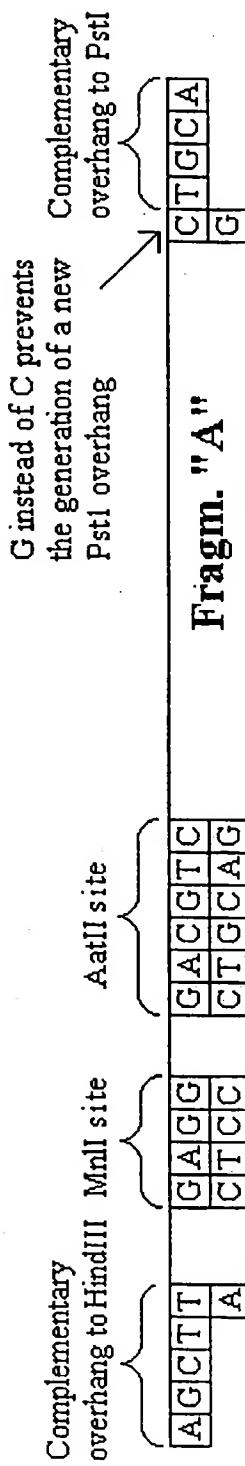
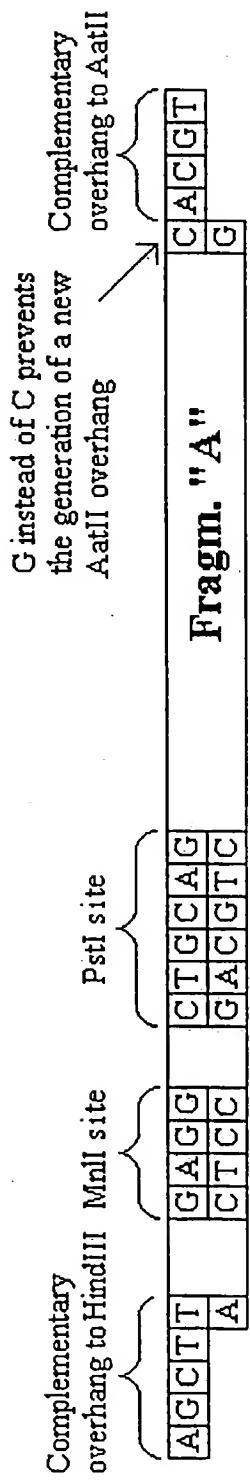


FIG. 4A

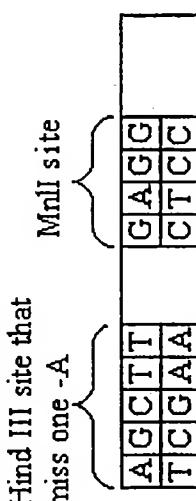


FIG. 4B

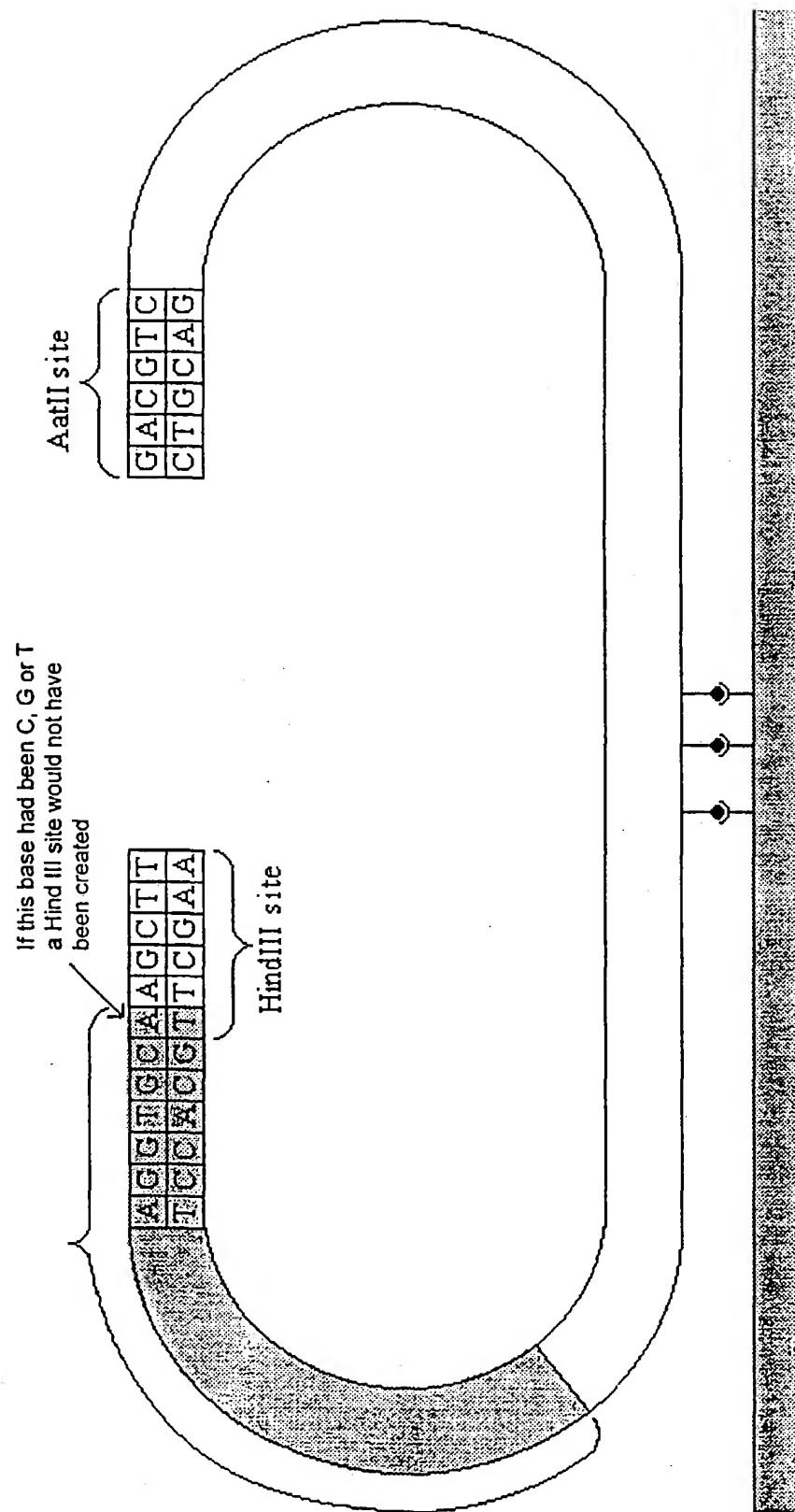
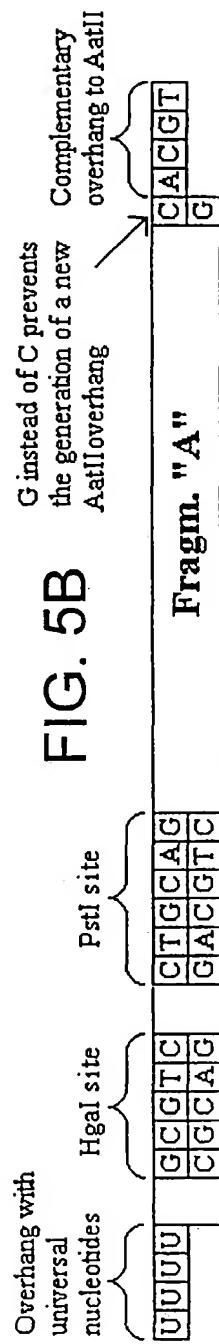
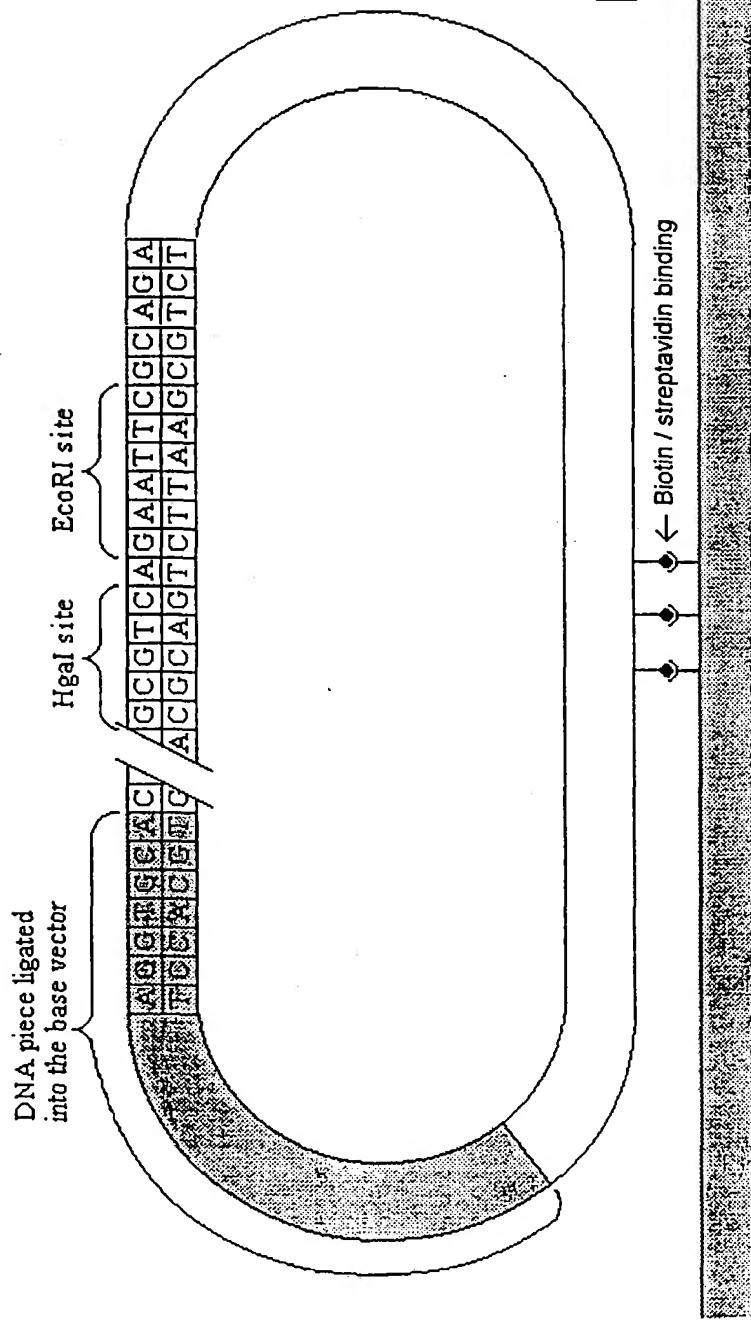
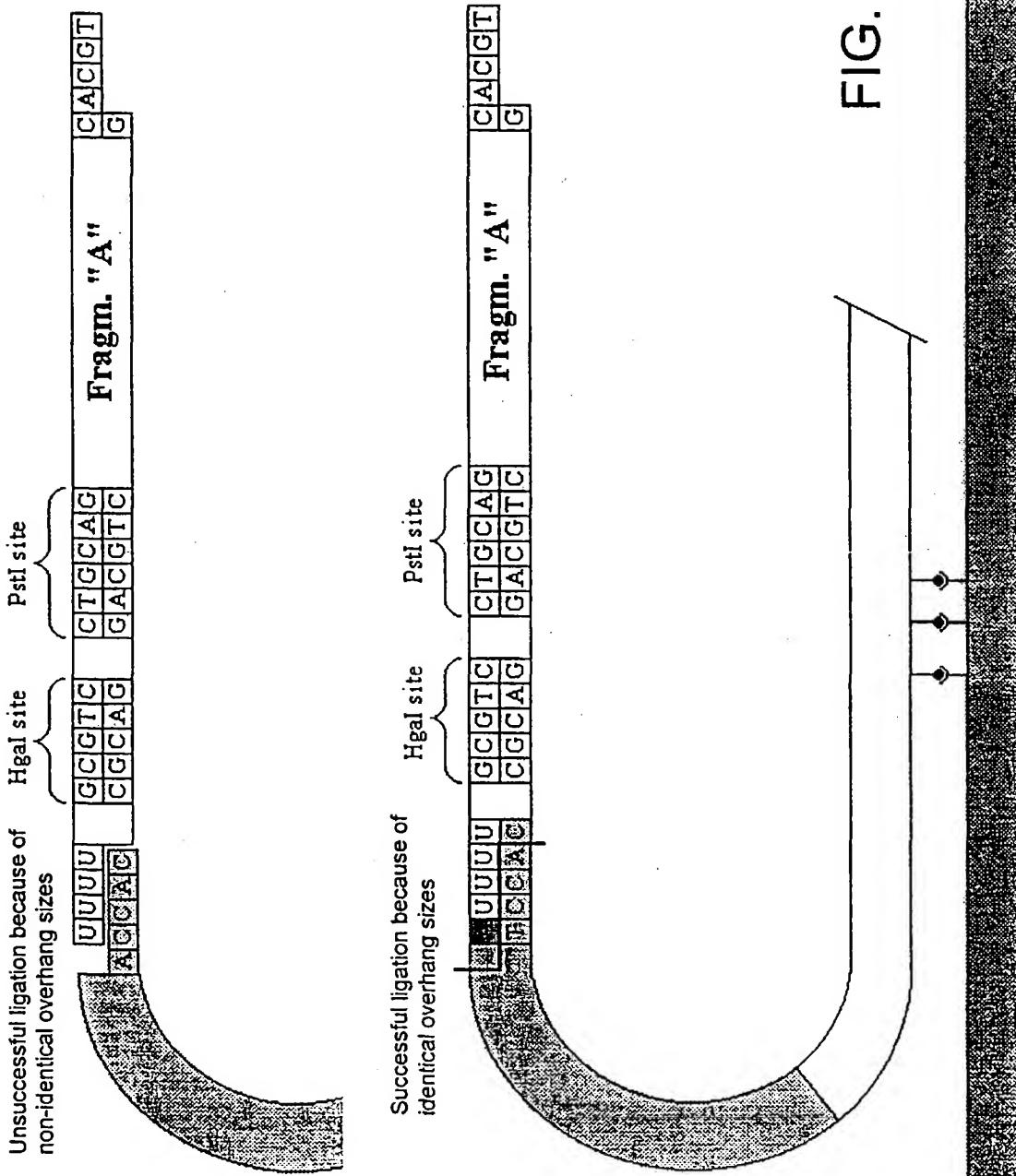
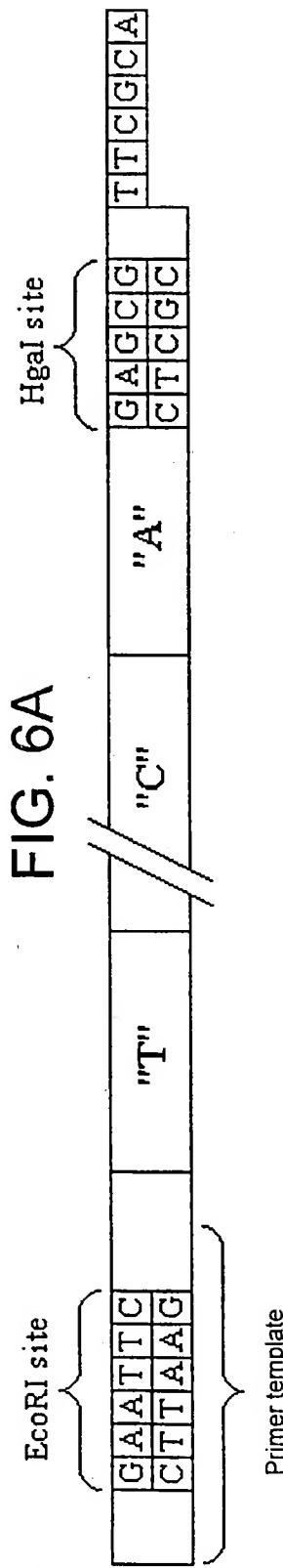


FIG. 4C







Adapter

DNA piece

Primer-template

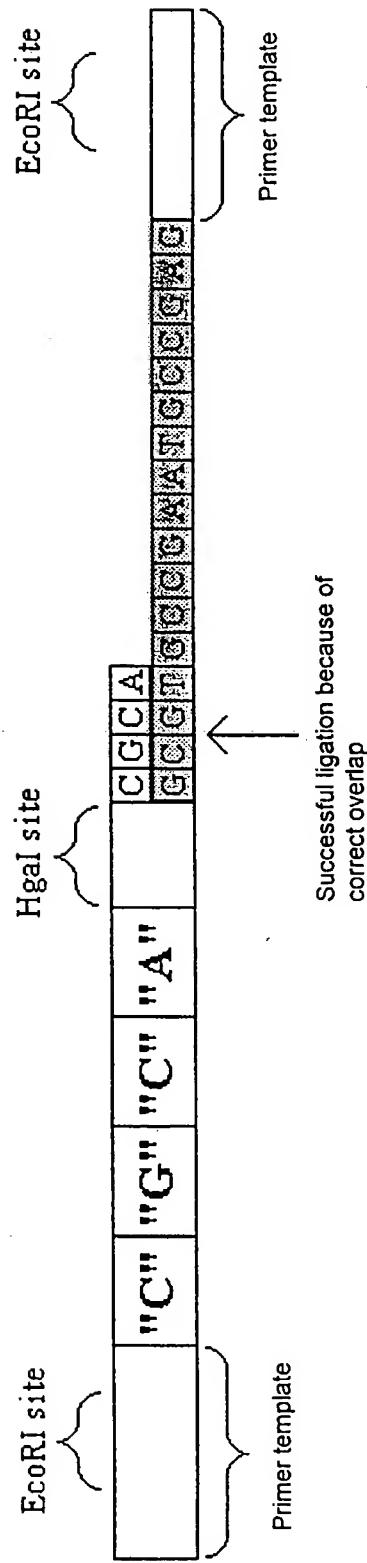


FIG. 6B

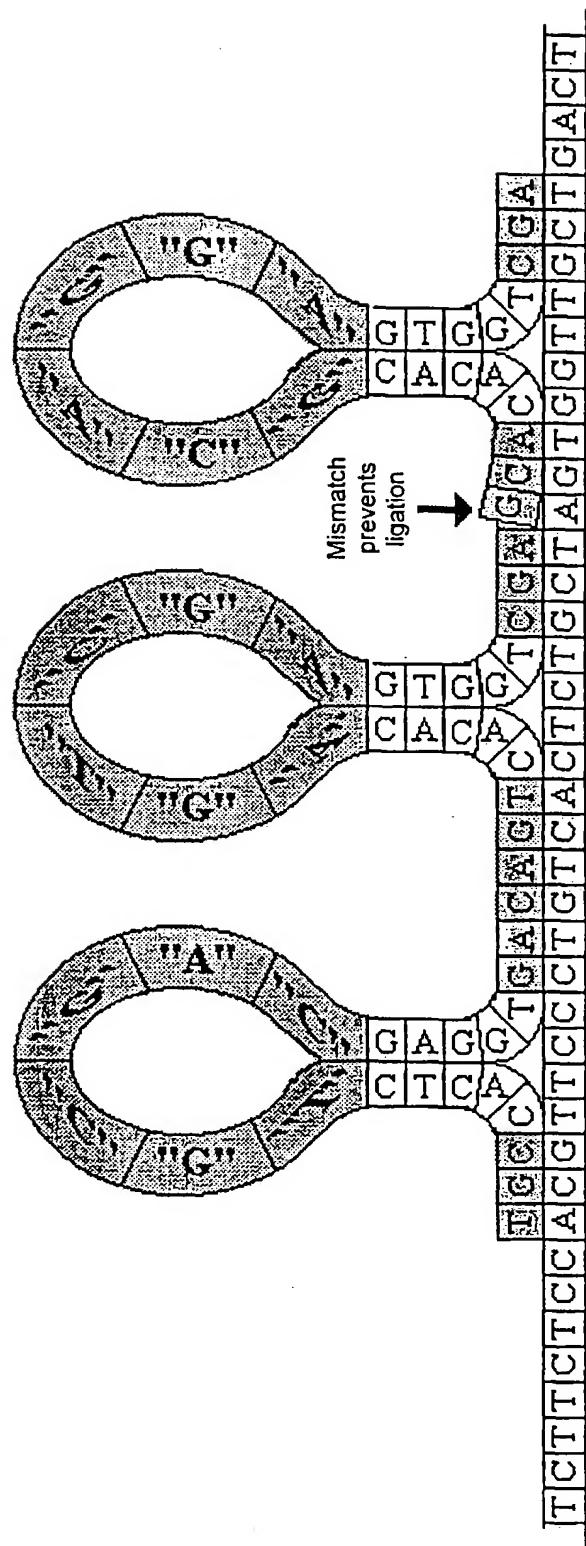
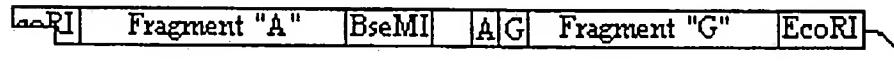


FIG. 7



↓
Ligate



↓
Cut with EcoRI



↓
Ligate and cut
thereafter with
Bse MI

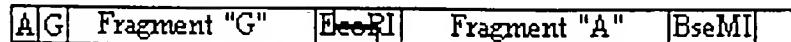


FIG. 8

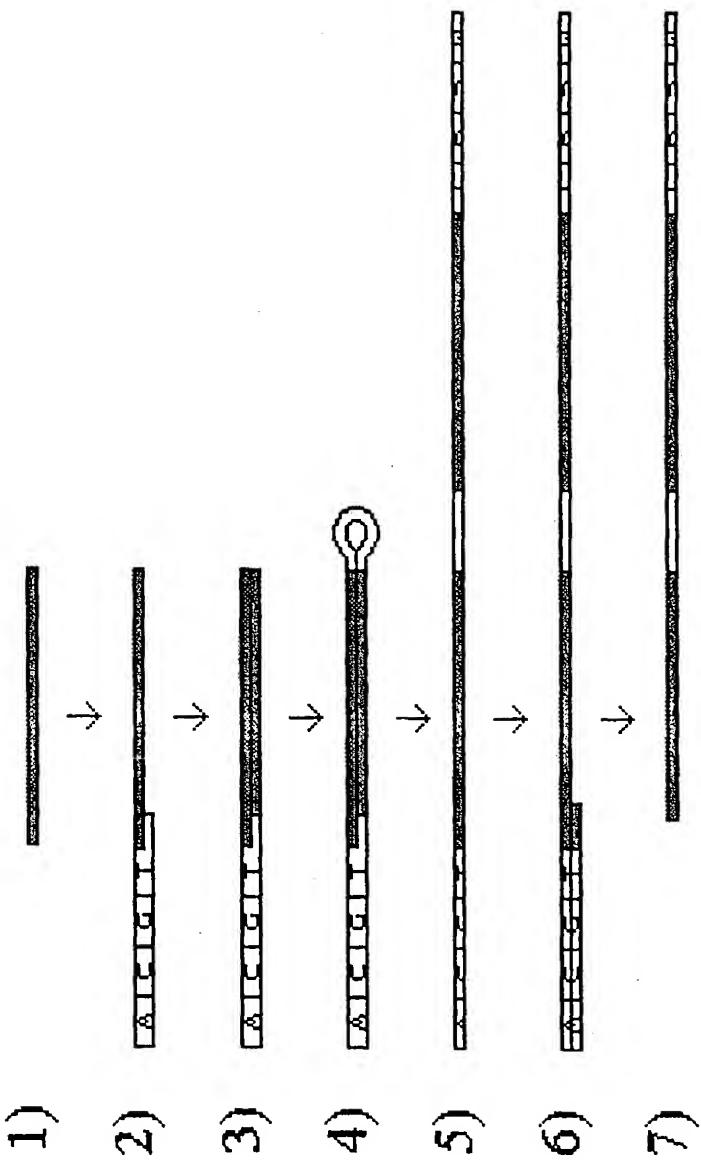
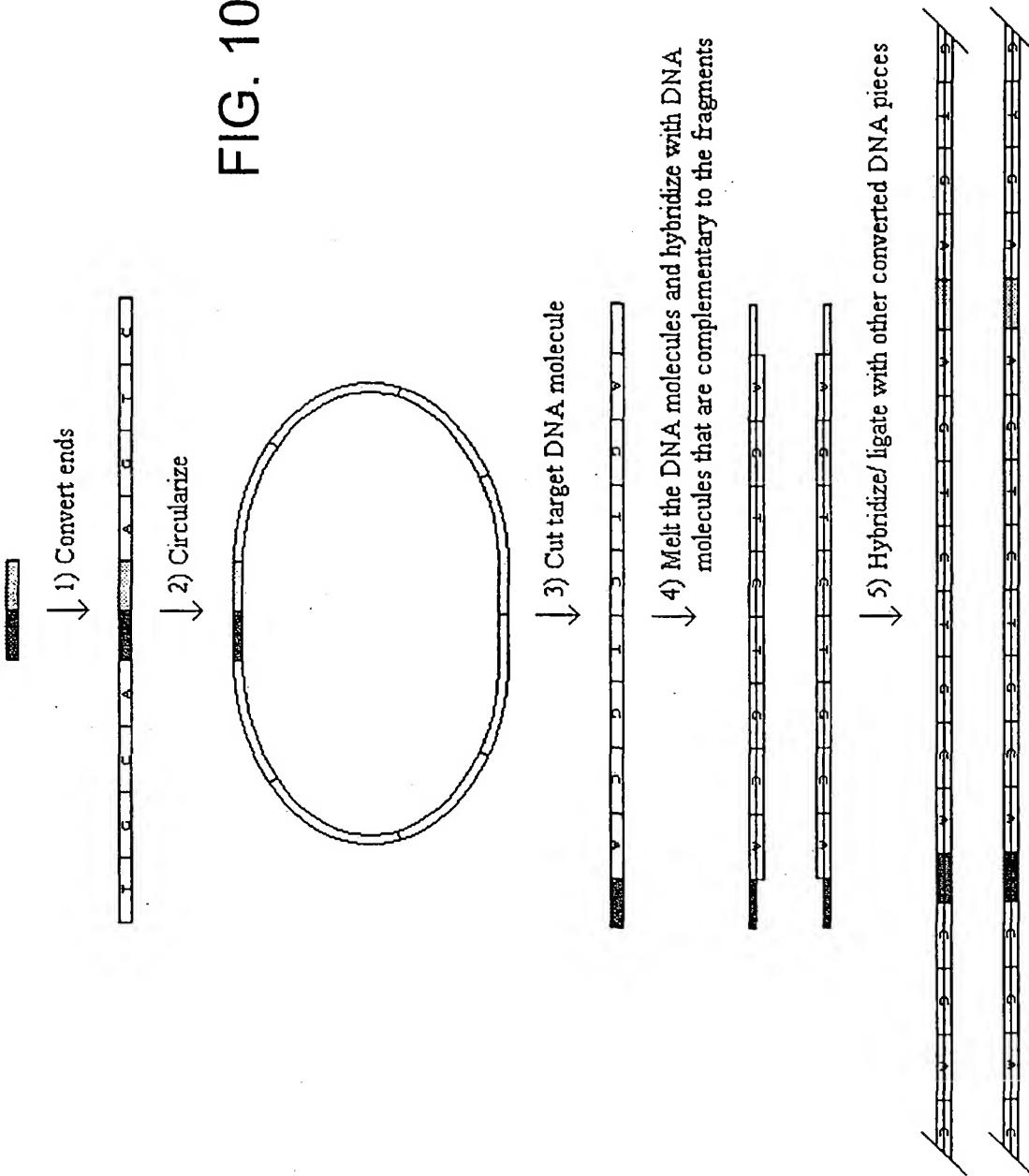


FIG. 9

FIG. 10



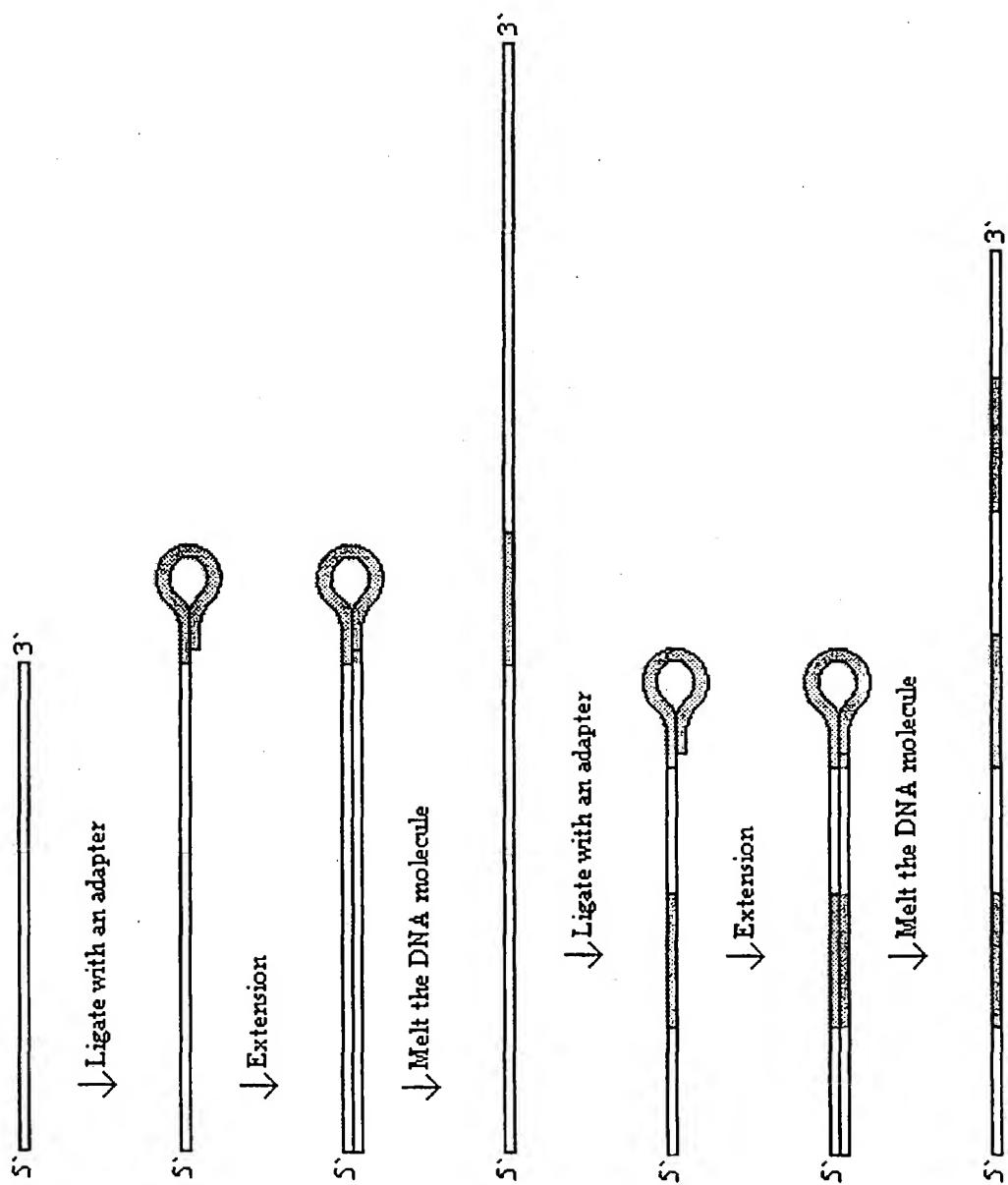


FIG. 11

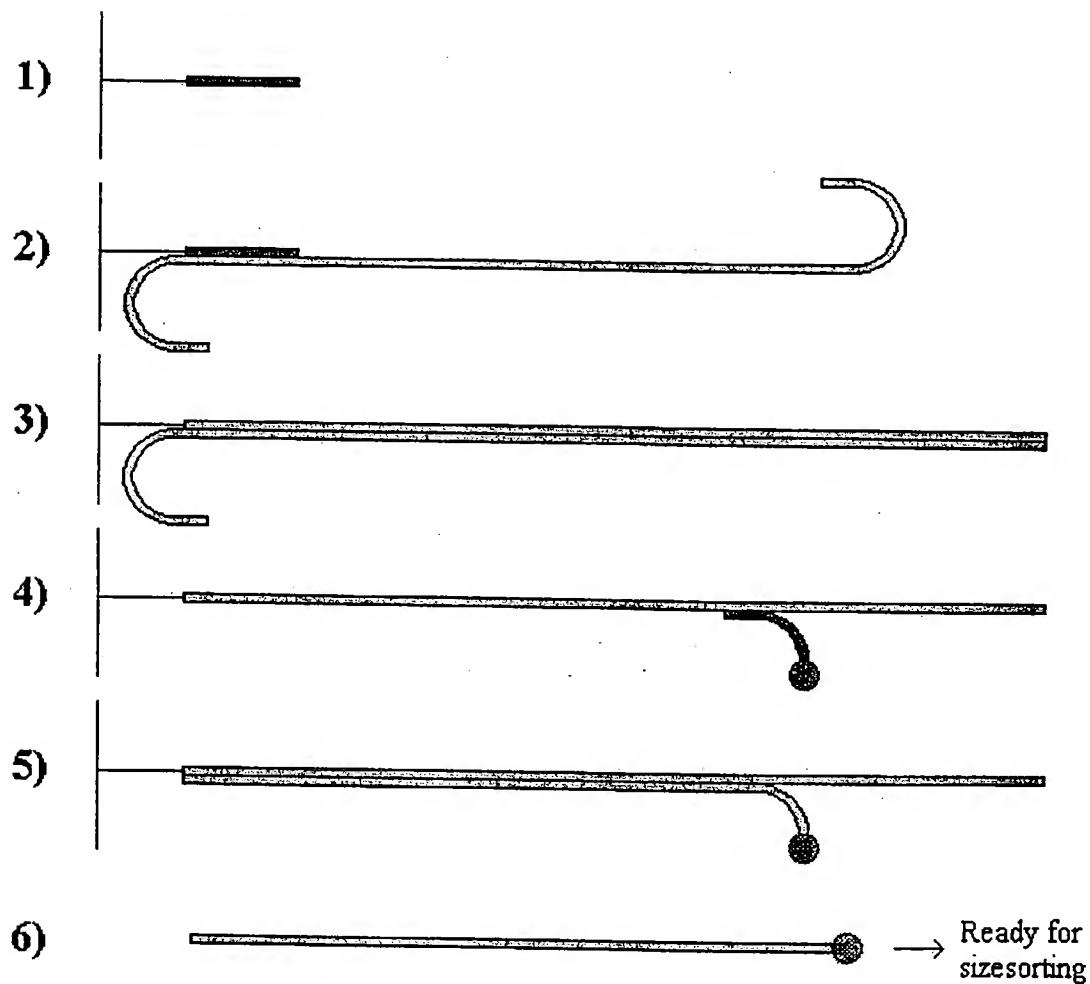
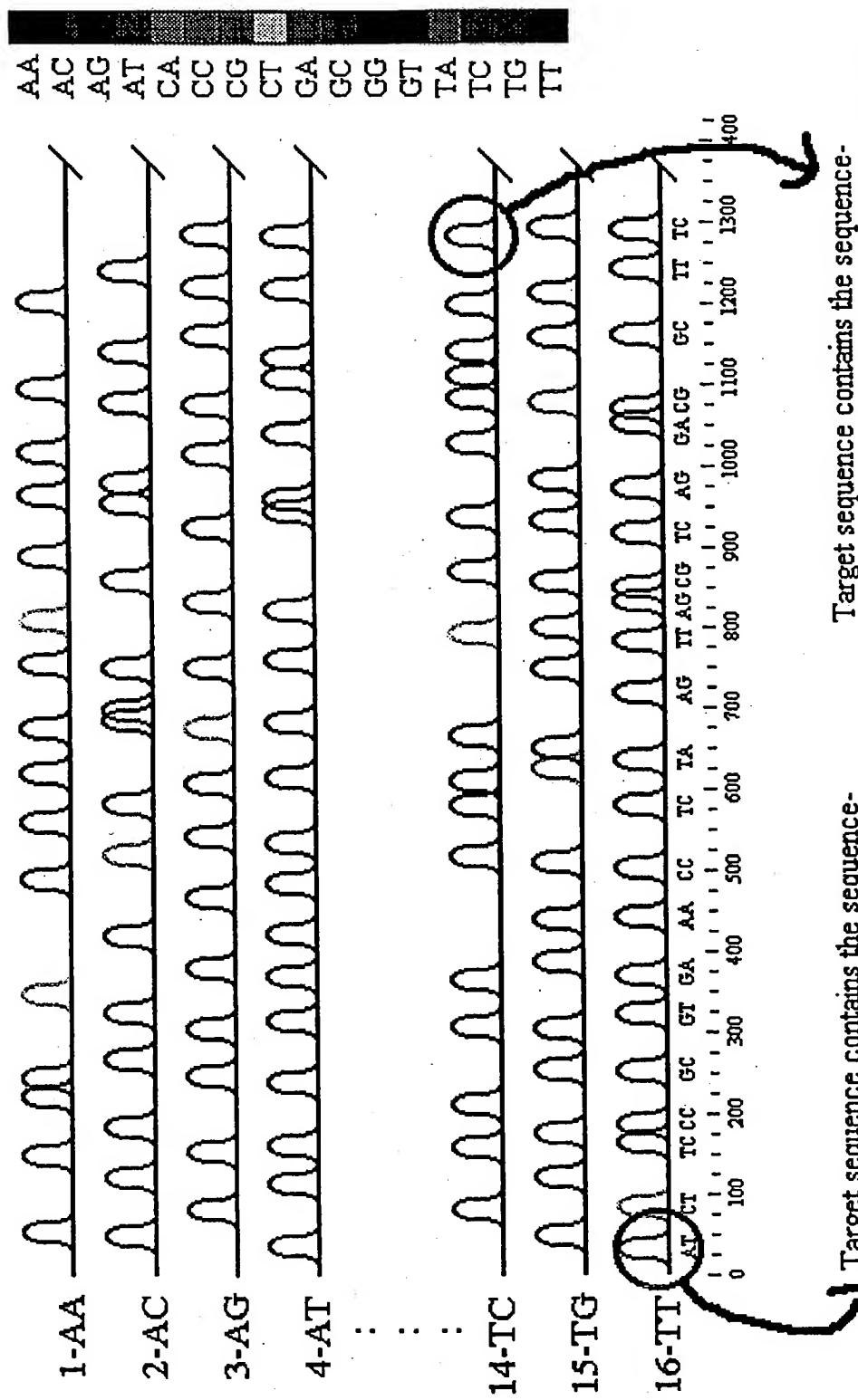


FIG. 12A



FIG. 12B

FIG. 12C



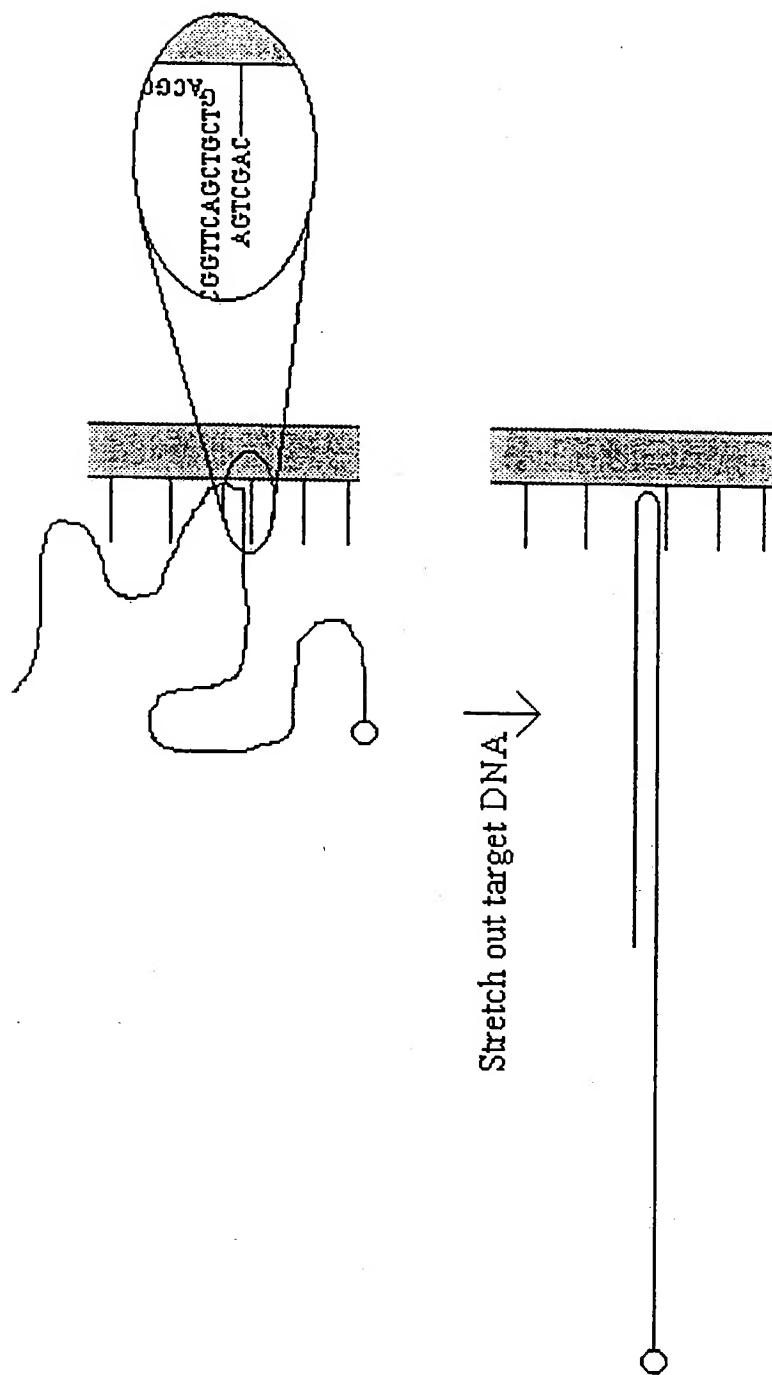


FIG. 13A

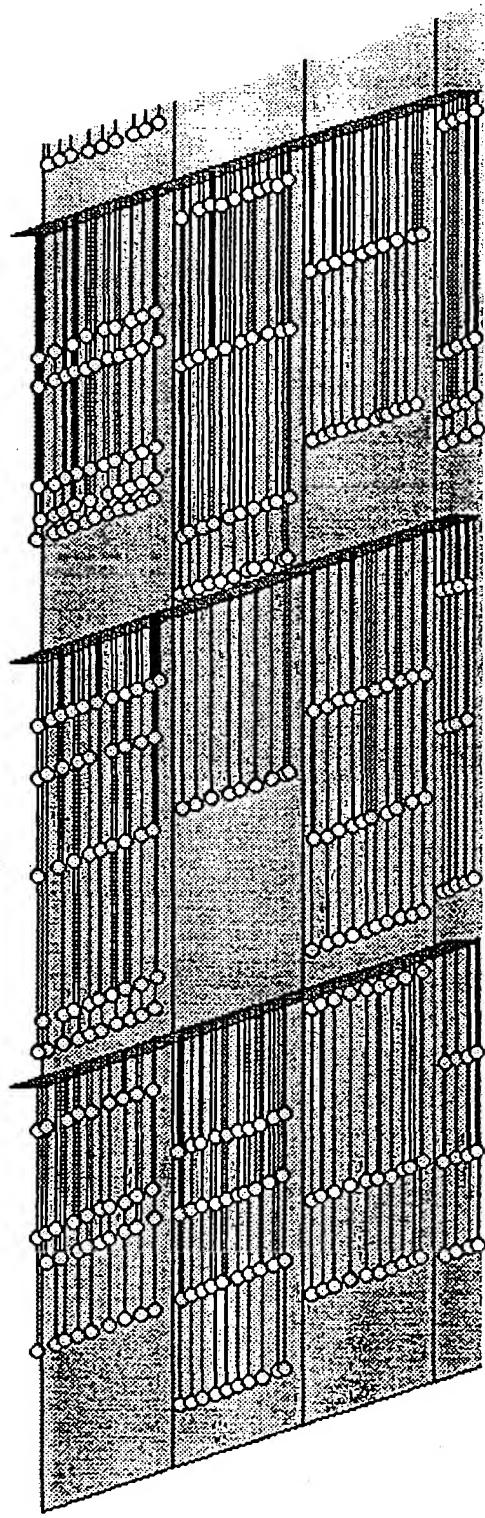


FIG. 13B

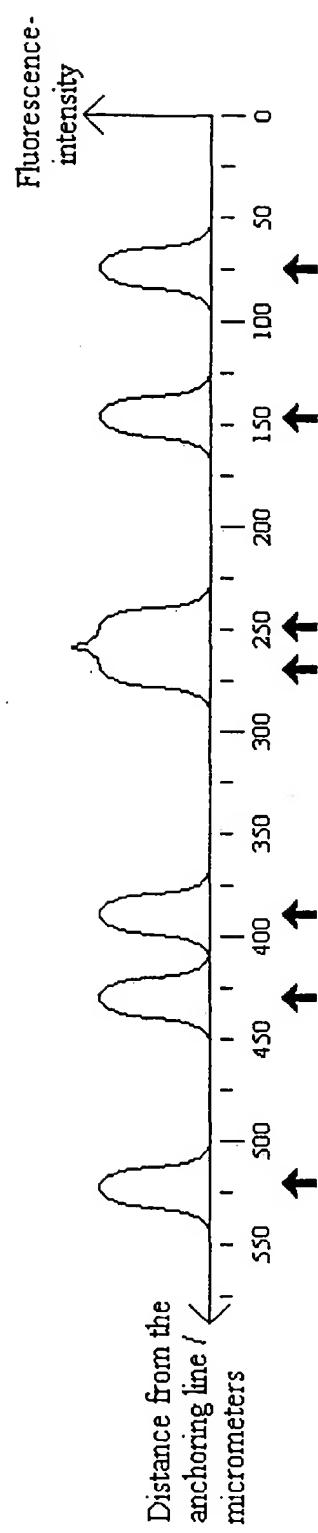


FIG. 13C

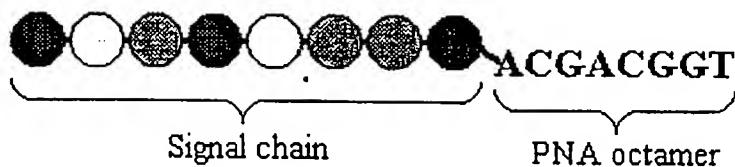


FIG. 14A

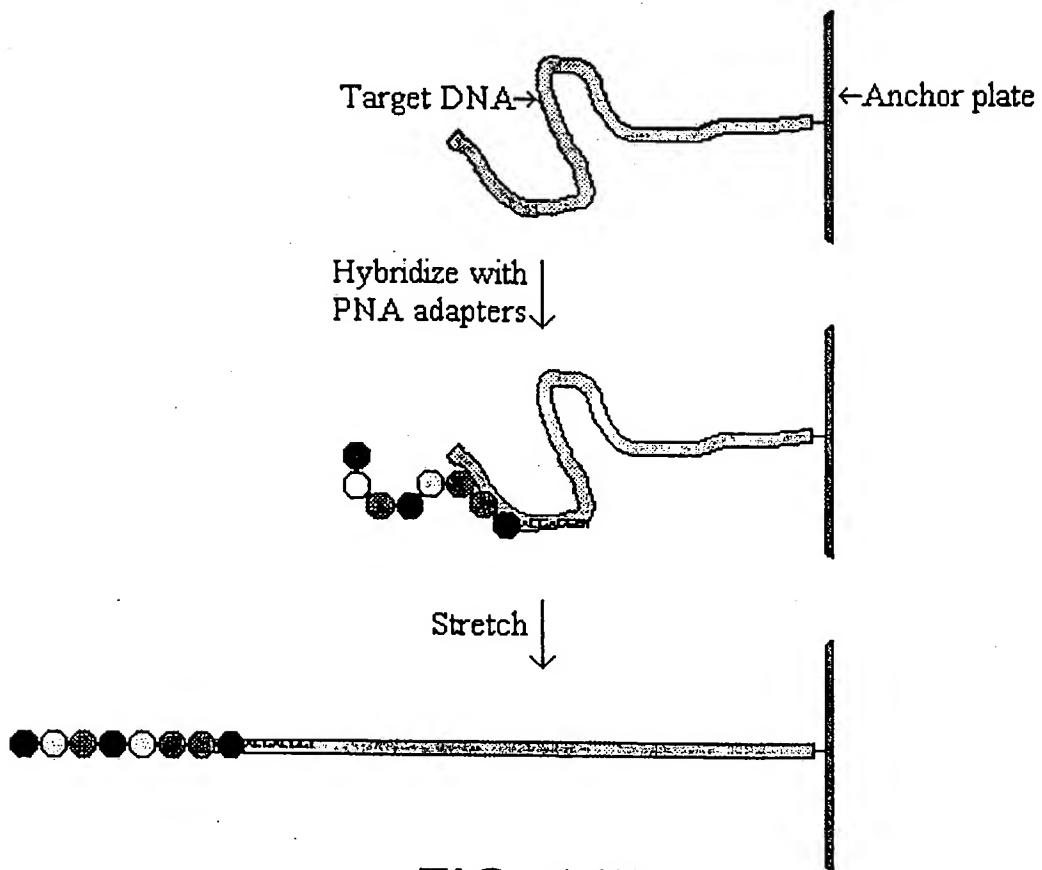


FIG. 14B

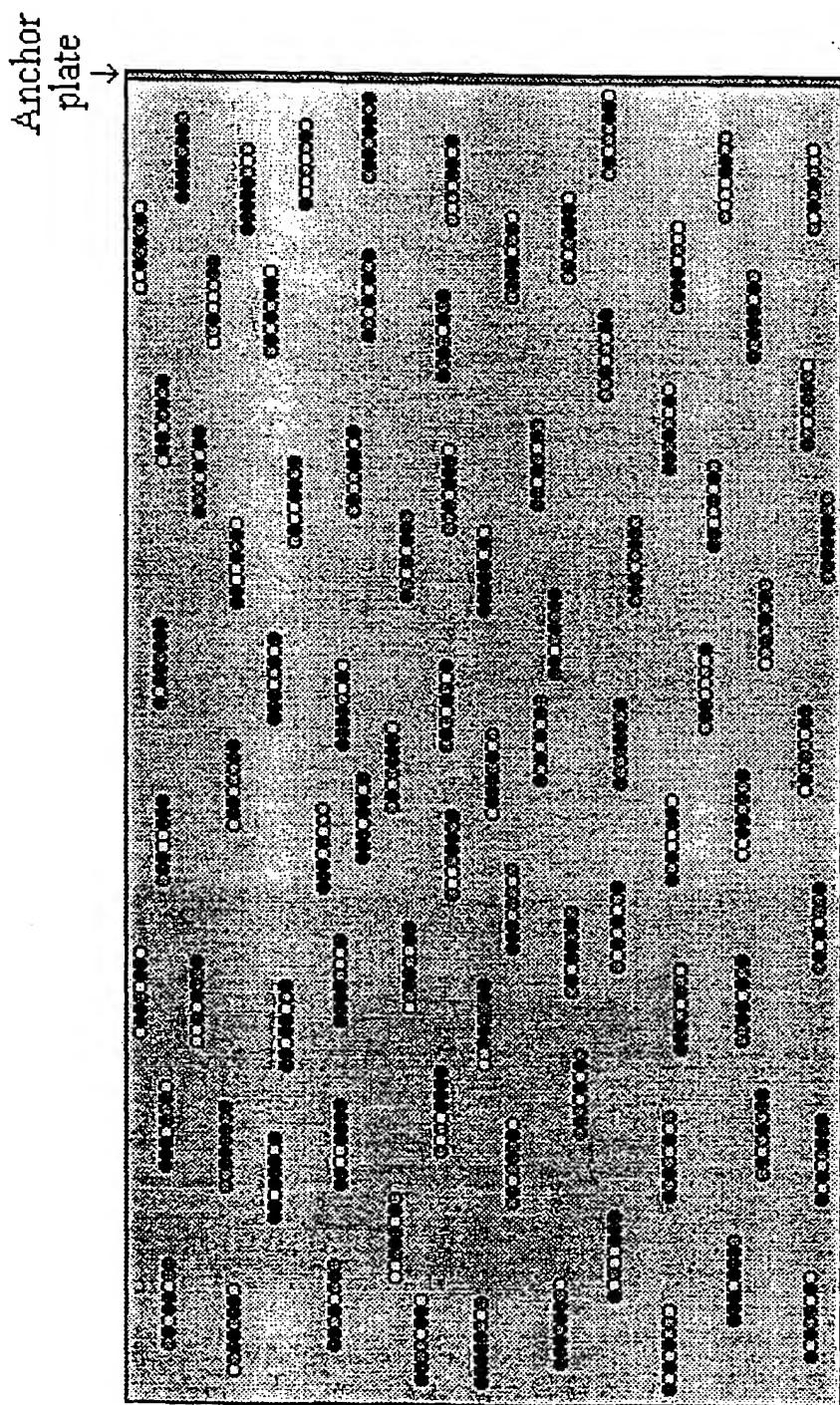


FIG. 14C

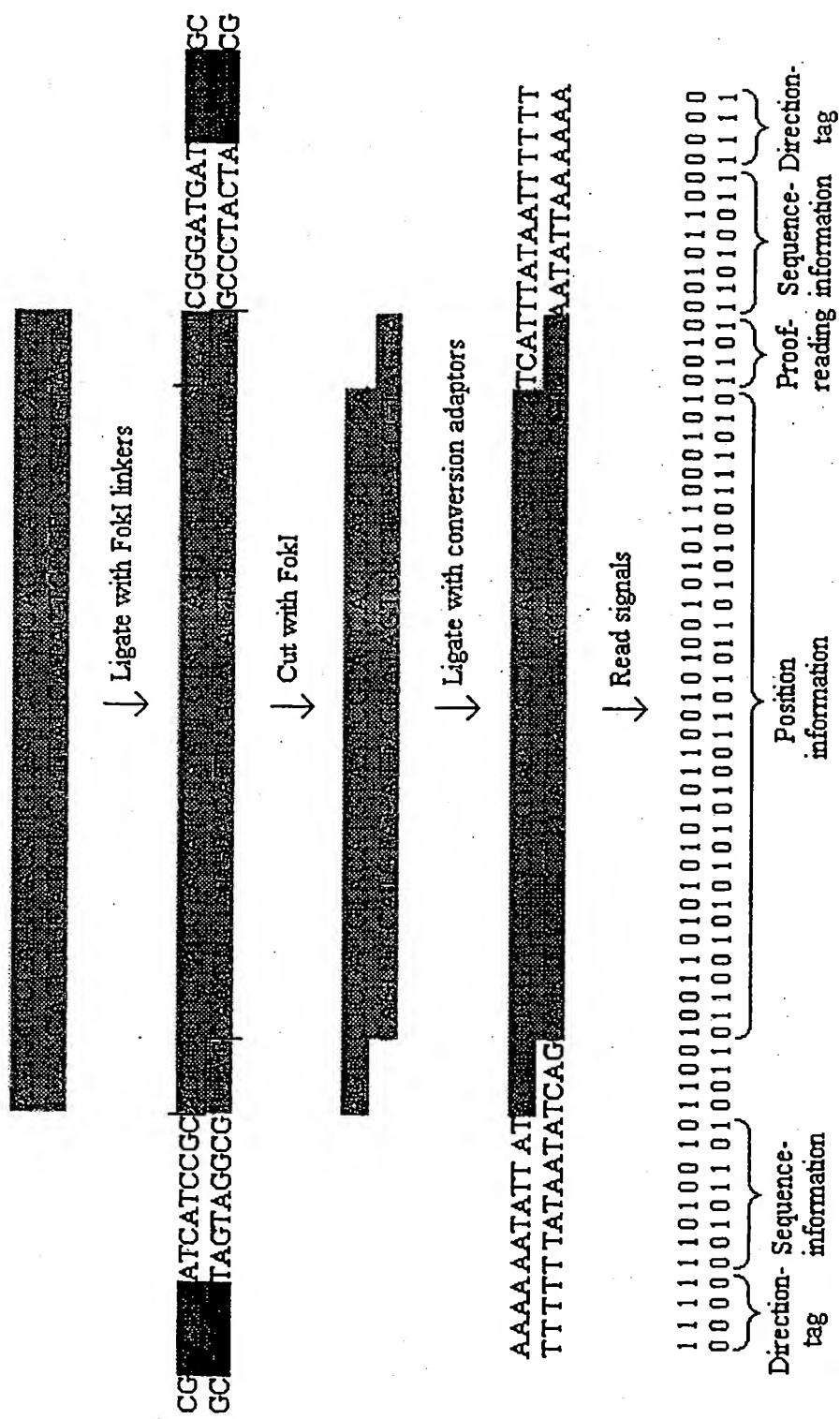


FIG. 15

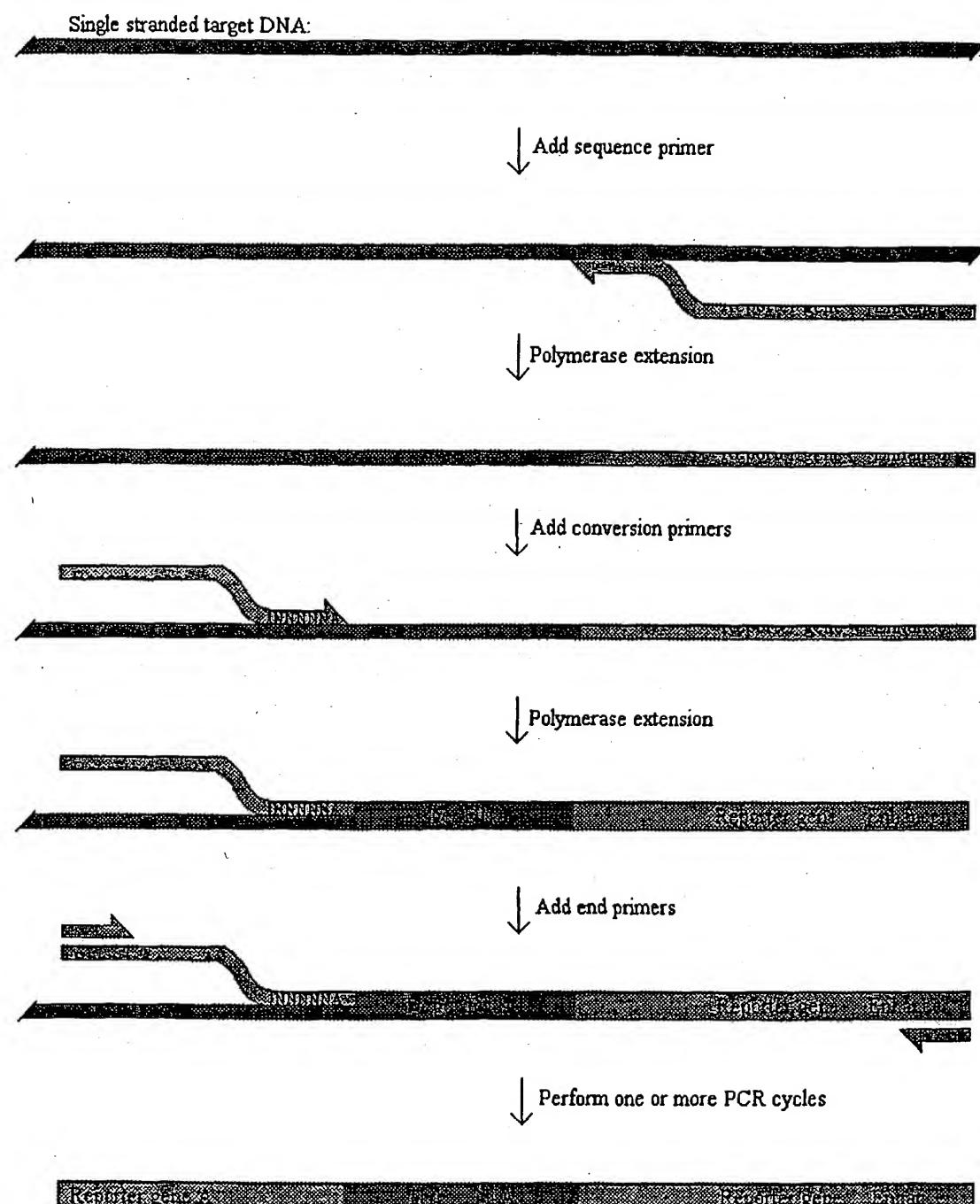


FIG. 16A

Number of cells

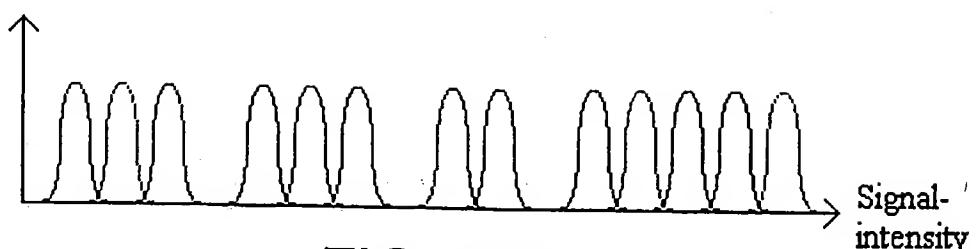
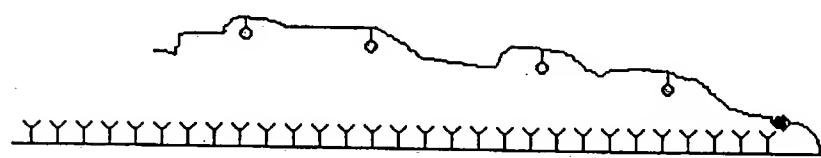
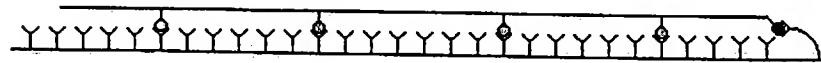


FIG. 16B

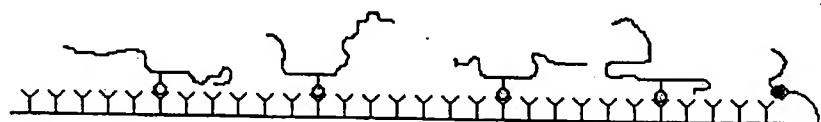
1)



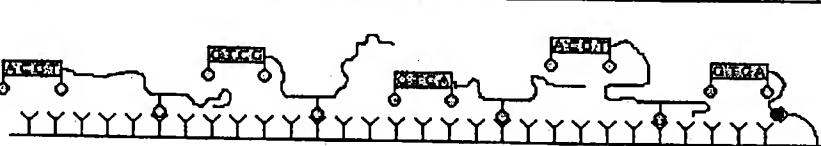
2)



3)



4)



5)

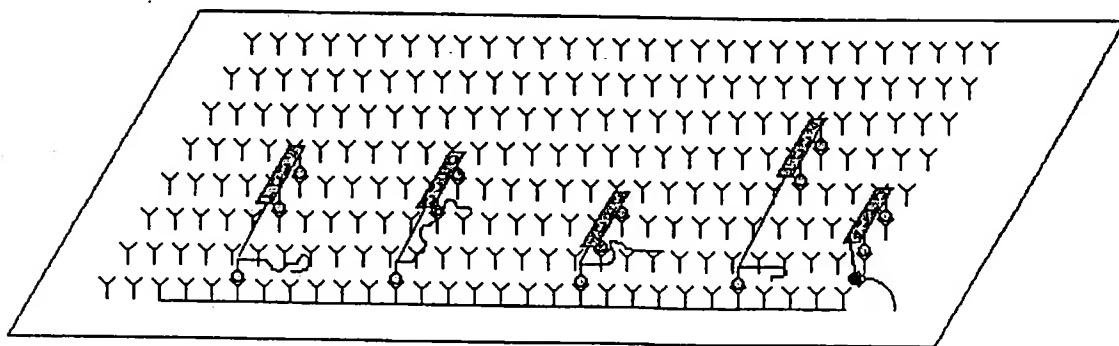


FIG. 18

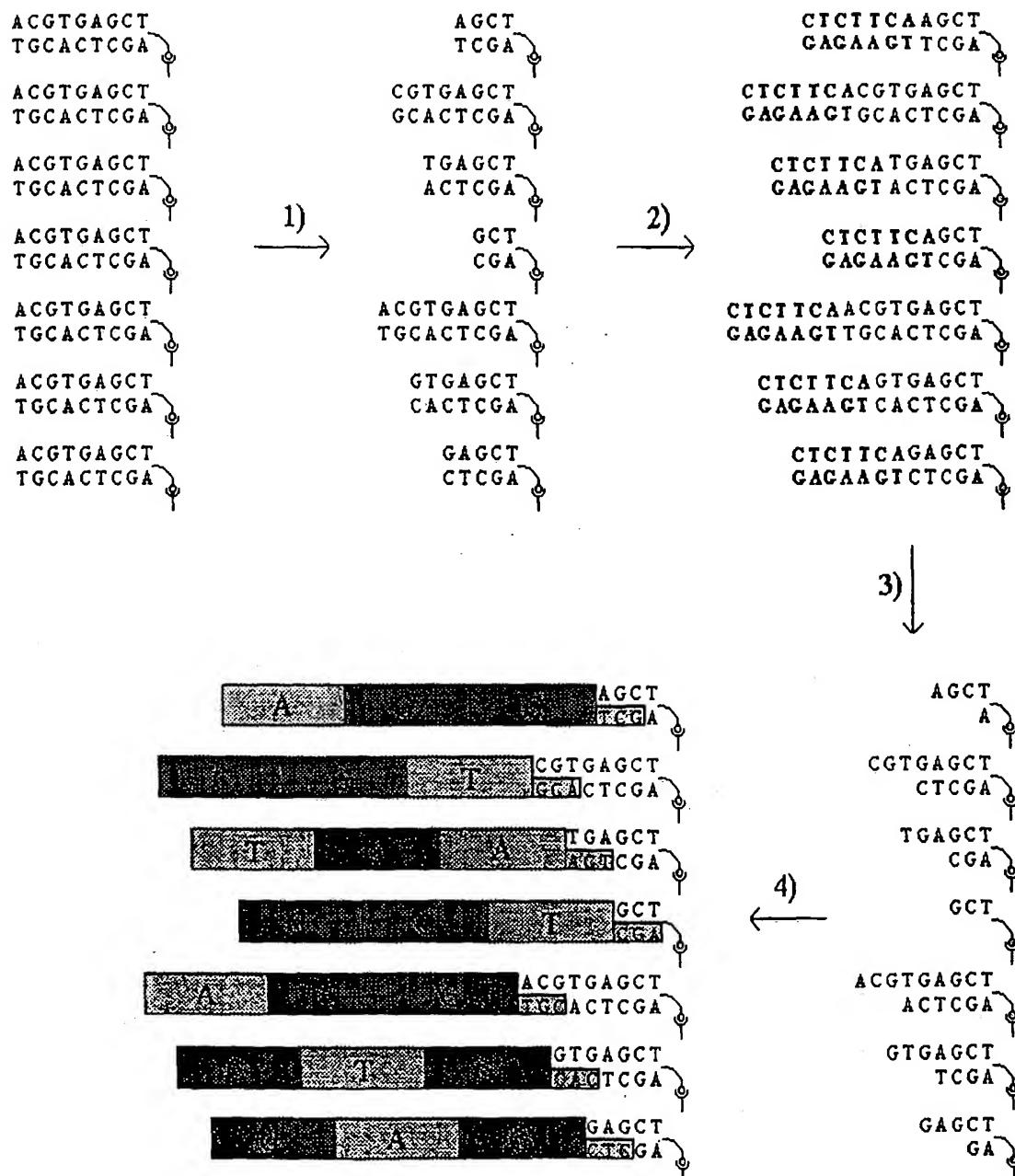


FIG. 17

30 / 36

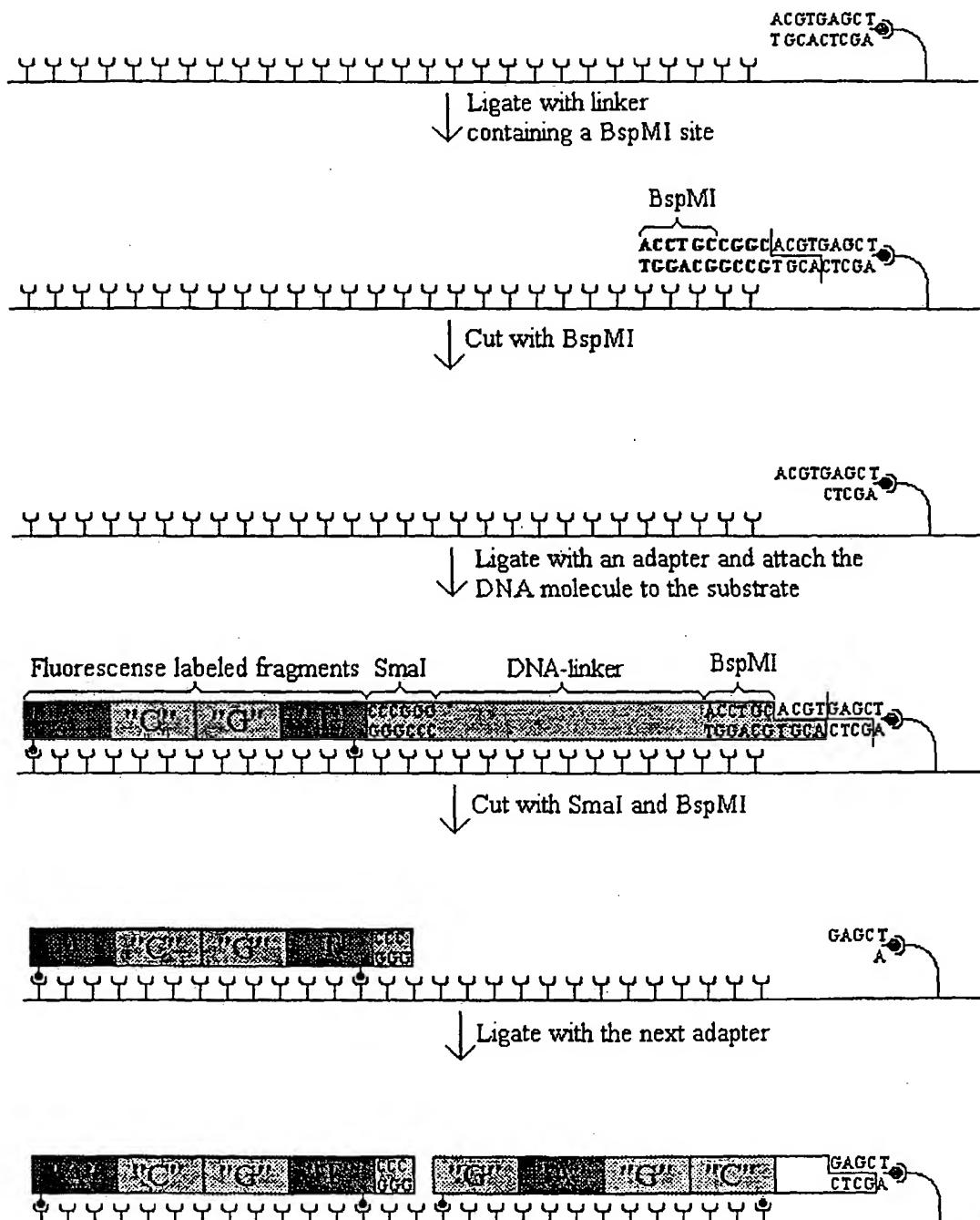


FIG. 19

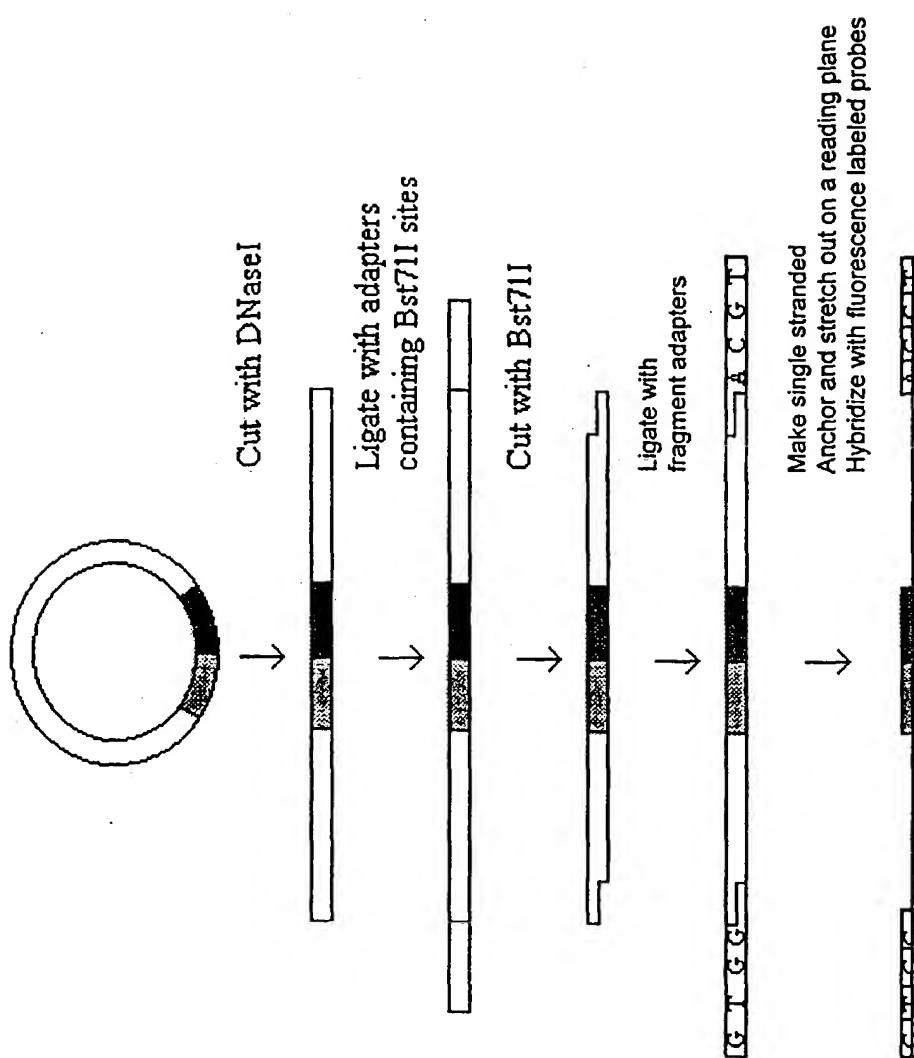


FIG. 20

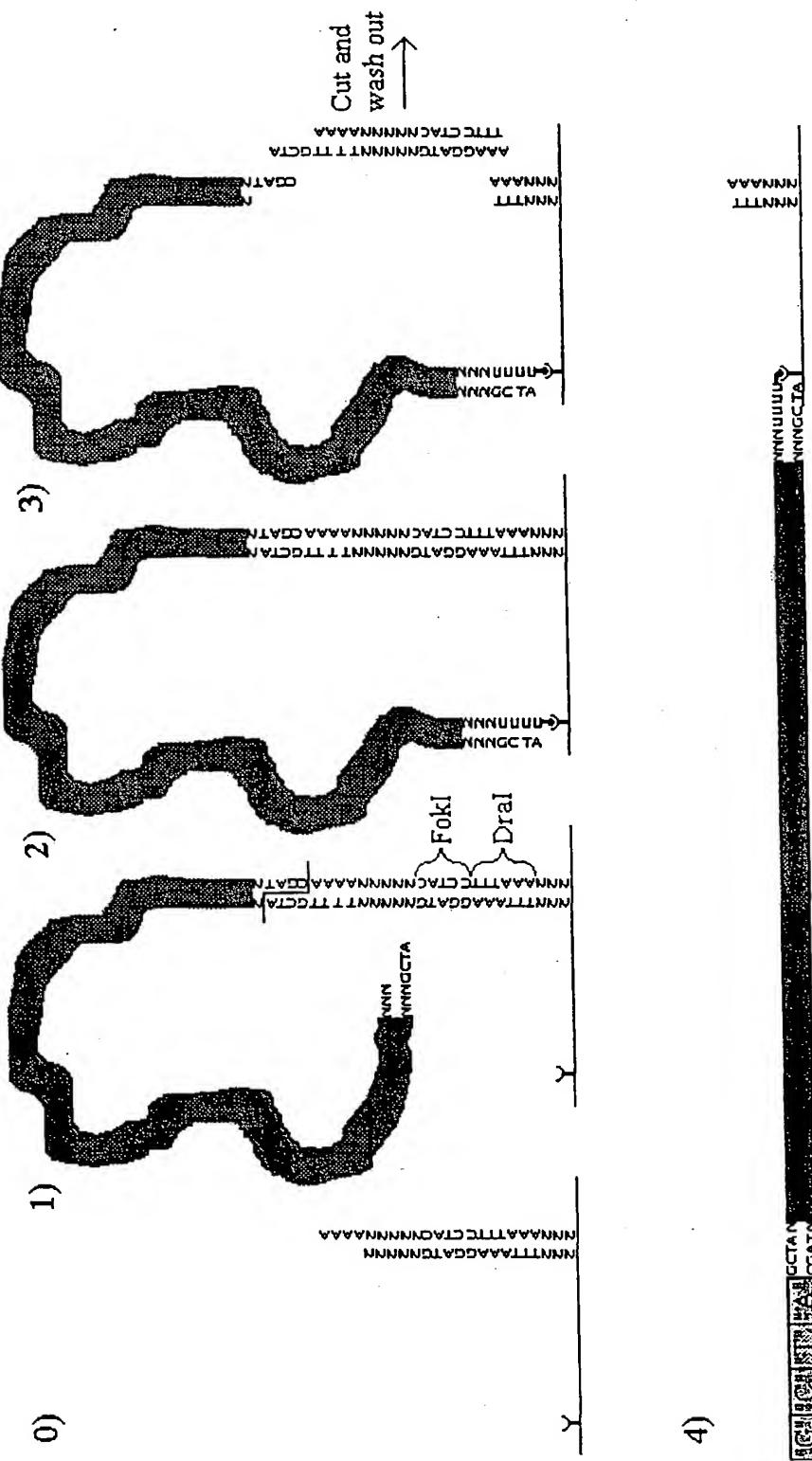


FIG. 21

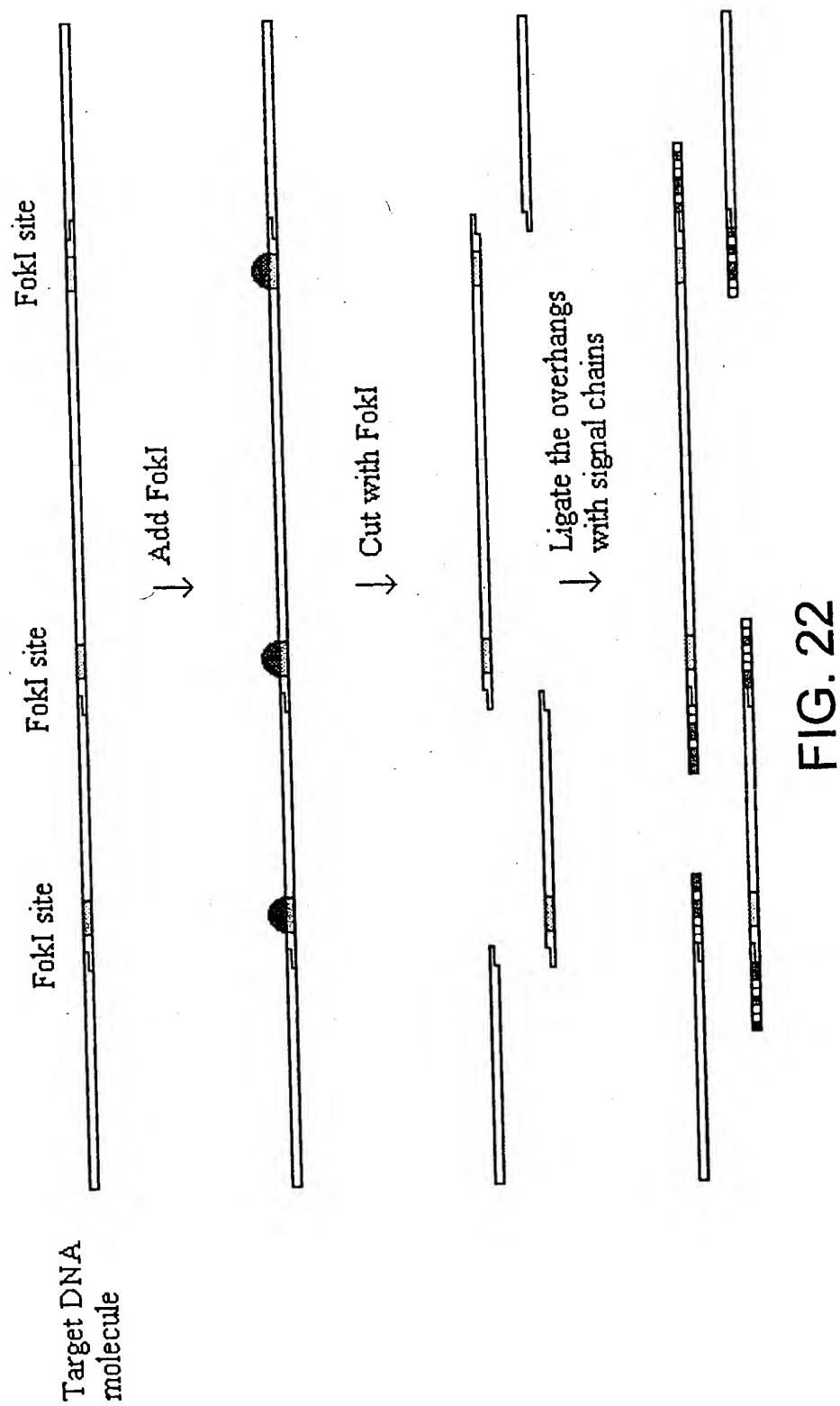


FIG. 22

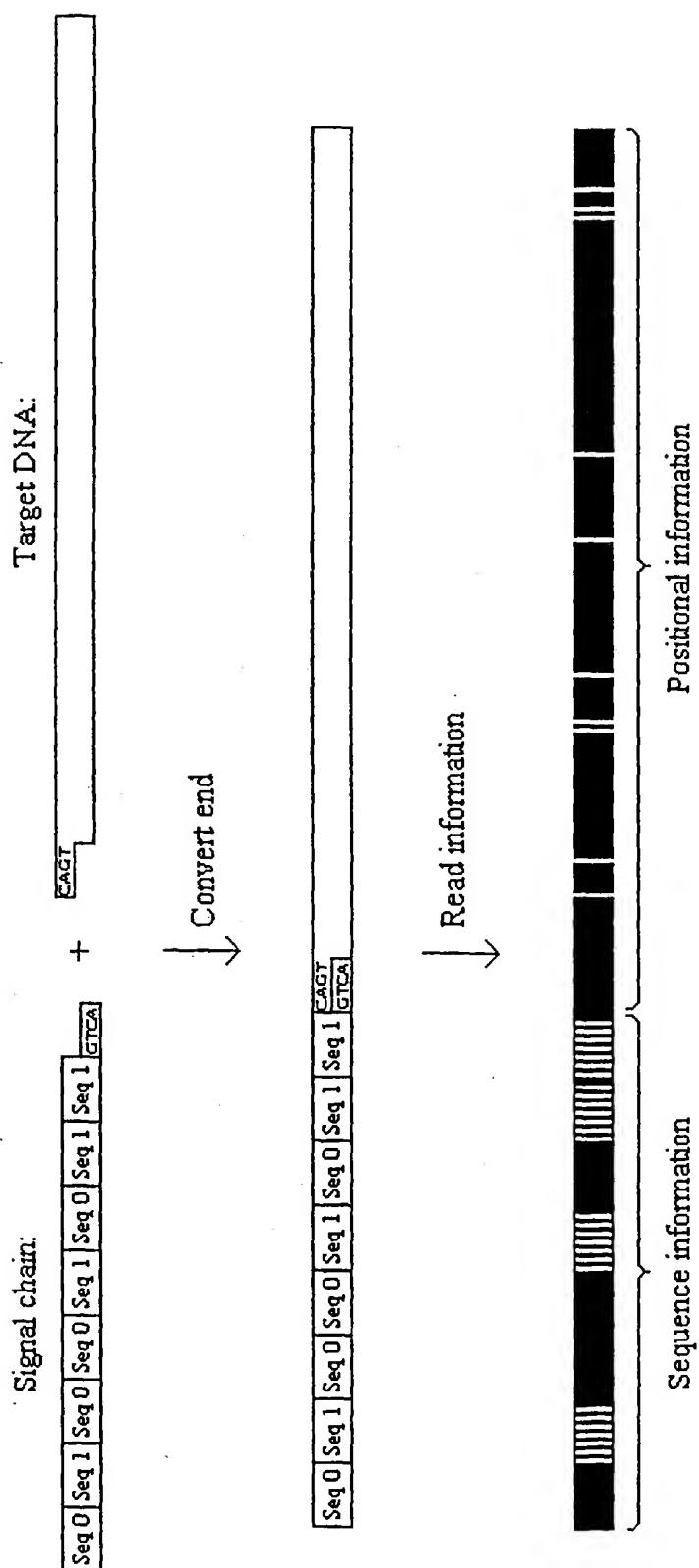
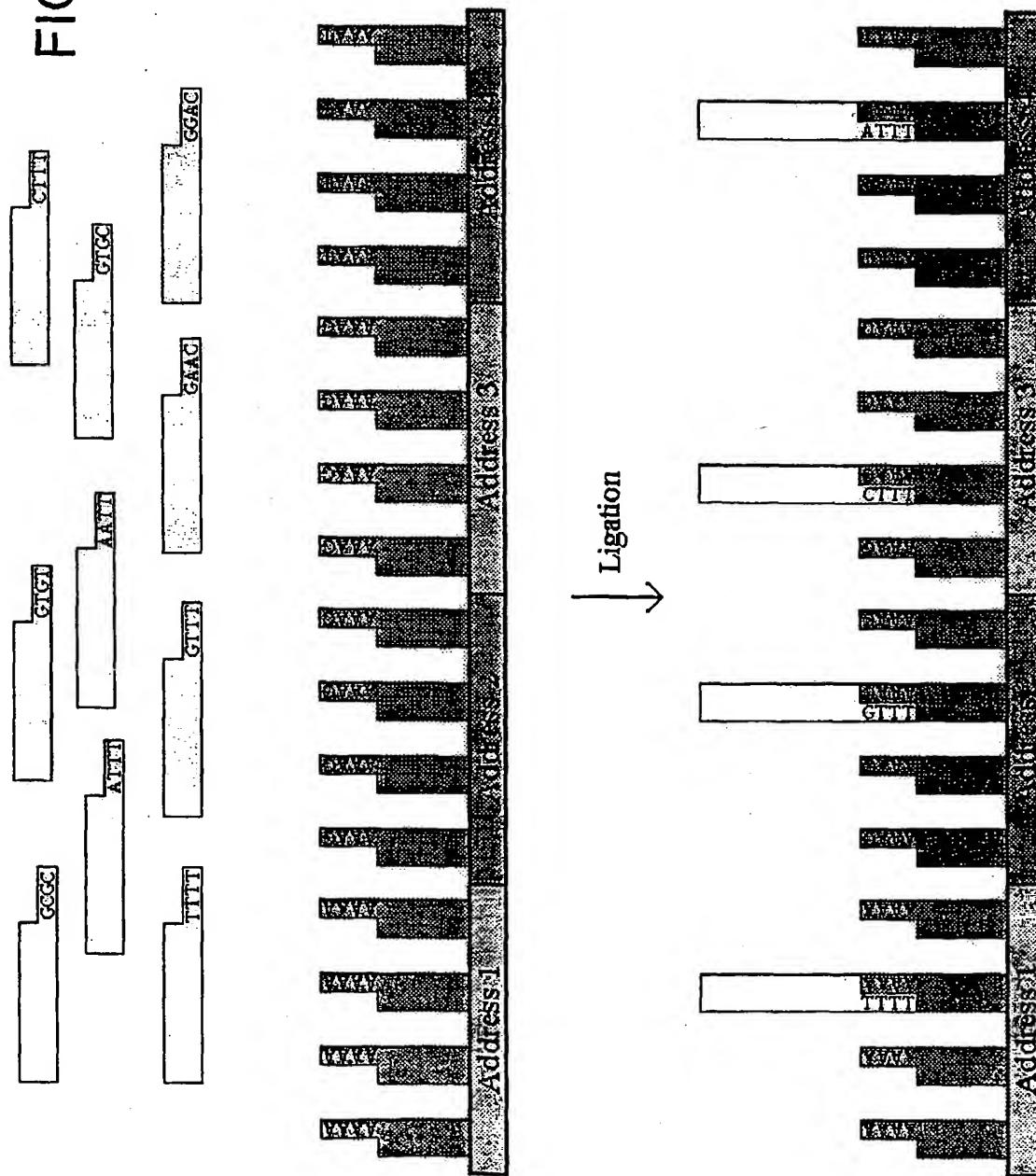


FIG. 23

FIG. 24



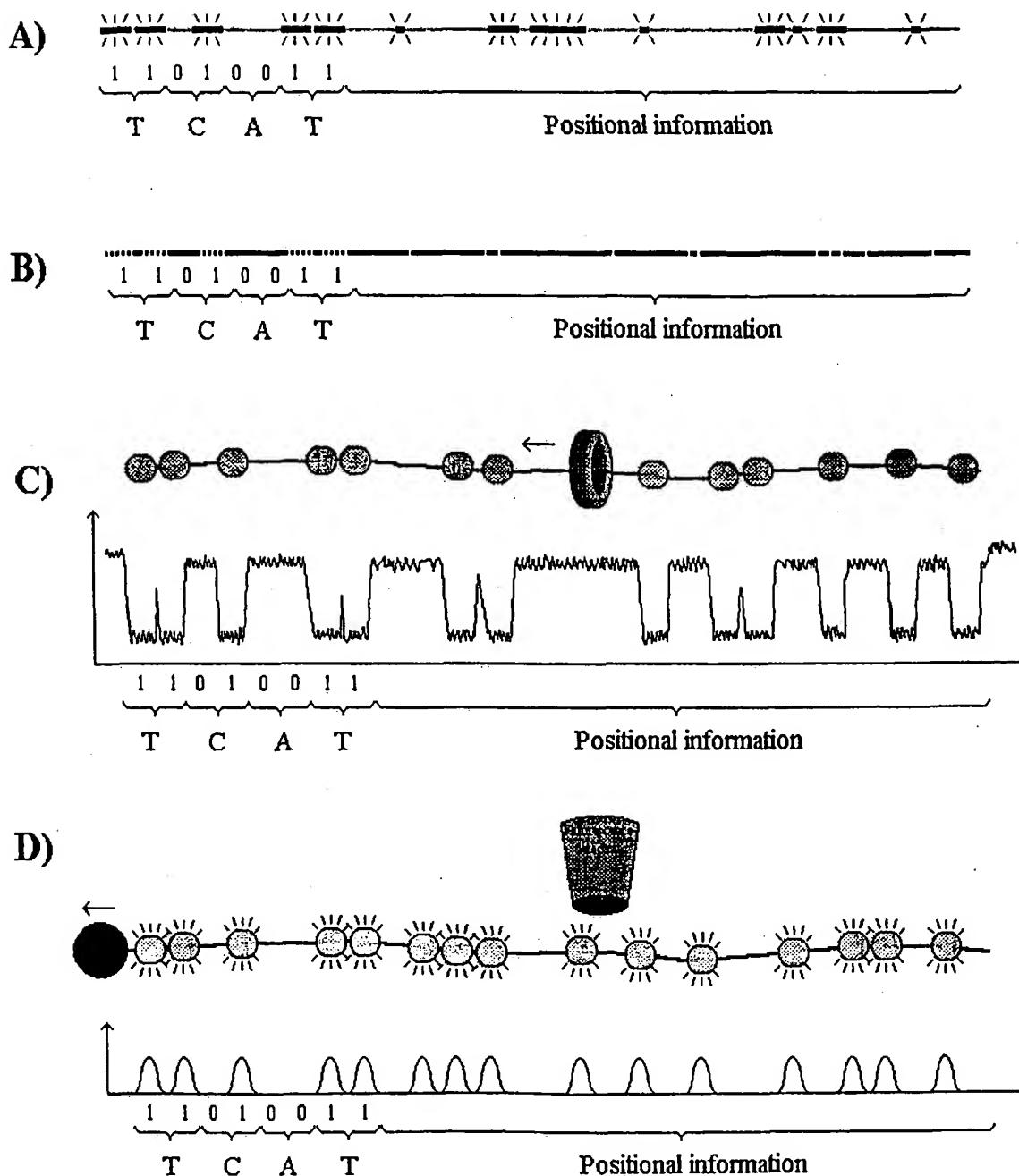


FIG. 25